

Product datasheet for **UM800040CF**

PARN Mouse Monoclonal Antibody [Clone ID: UMAB143]

Product data:

| | |
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| Product Type: | Primary Antibodies |
| Clone Name: | UMAB143 |
| Applications: | 10k-ChIP, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:100~200 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 1-266 of human PARN (NP_002573) produced in E.coli. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | poly(A)-specific ribonuclease |
| Database Link: | NP_002573 Entrez Gene 74108 Mouse Entrez Gene 5073 Human O95453 |



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Background:

The protein encoded by this gene is a 3'-exoribonuclease, with similarity to the RNase D family of 3'-exonucleases. It prefers poly(A) as the substrate, hence, efficiently degrades poly(A) tails of mRNAs. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Synonyms:

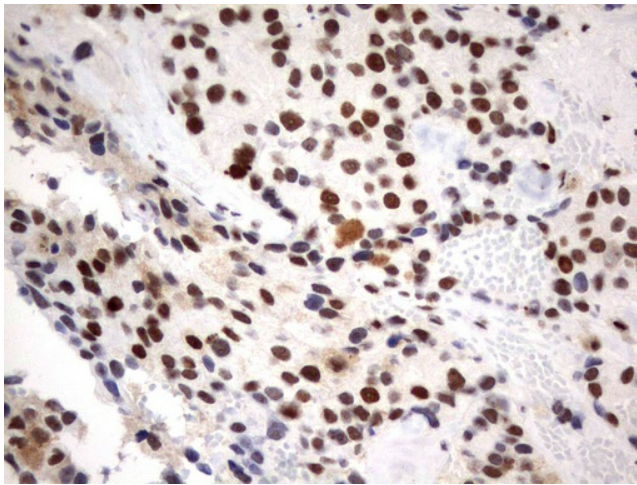
DAN

Protein Families:

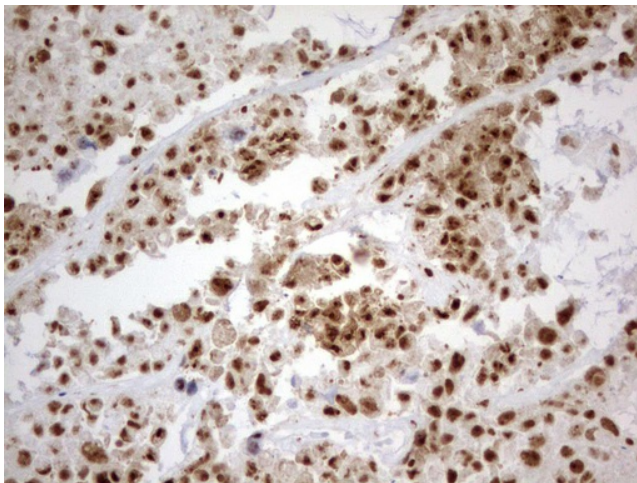
Transcription Factors

Protein Pathways:

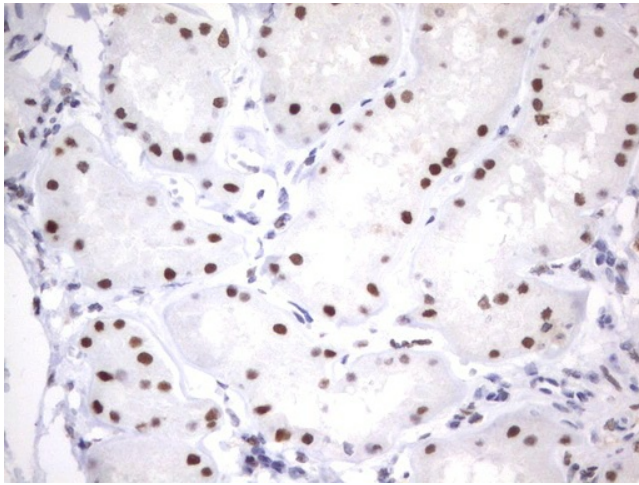
RNA degradation

Product images:

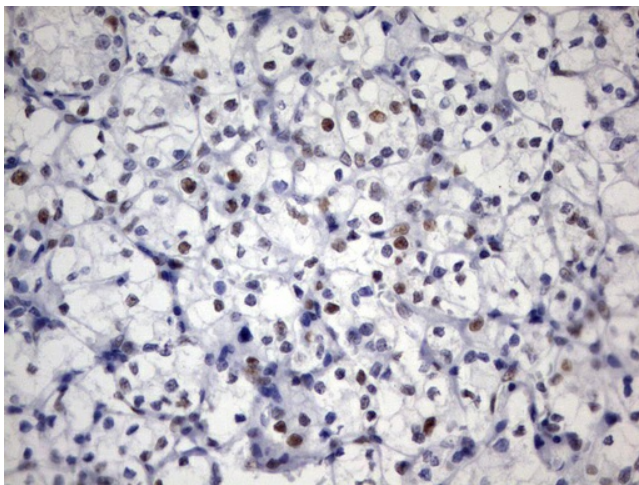
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



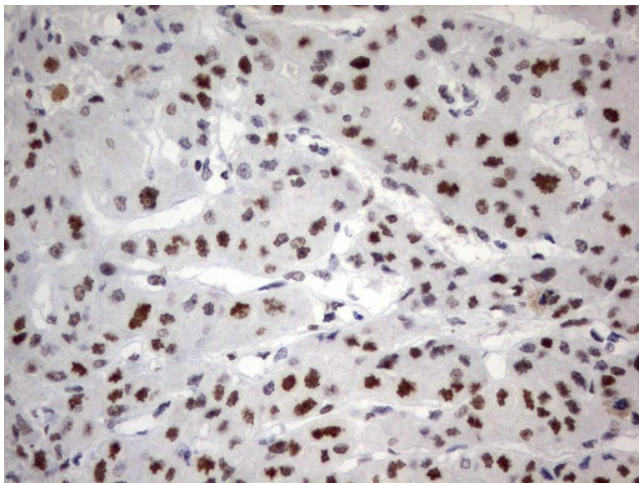
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



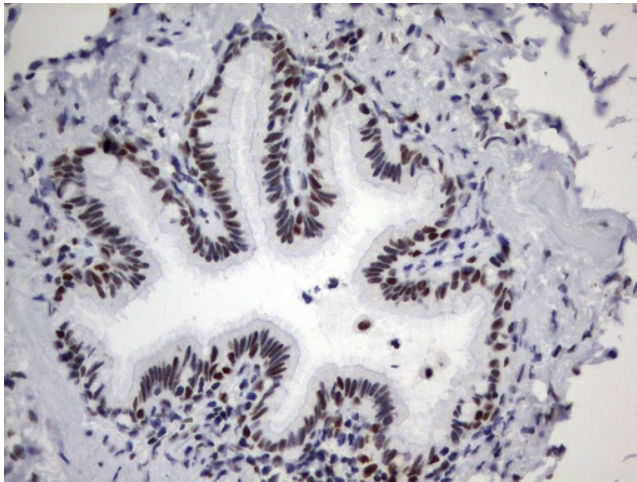
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



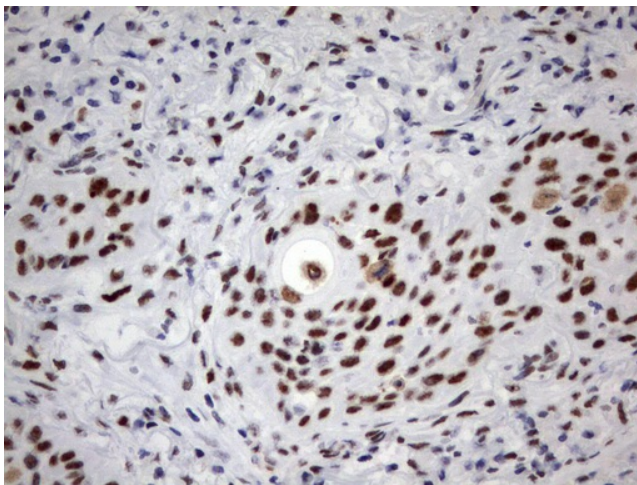
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



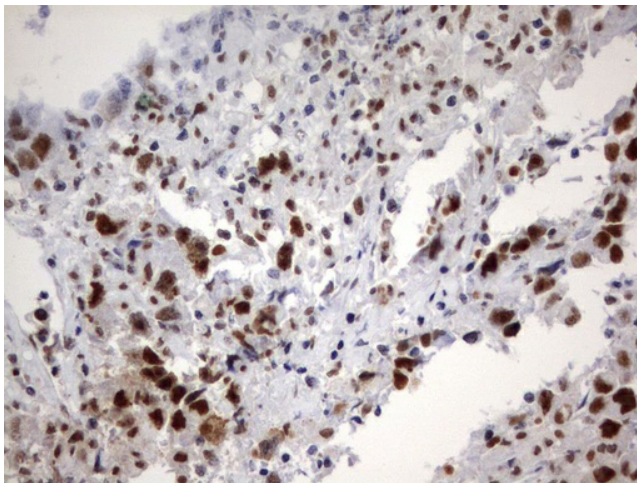
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



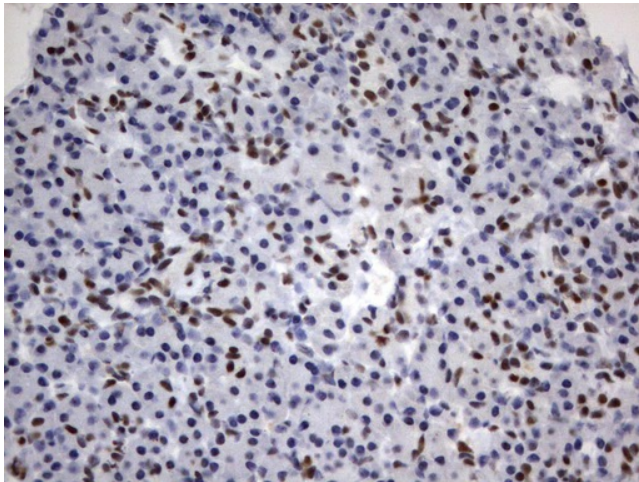
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



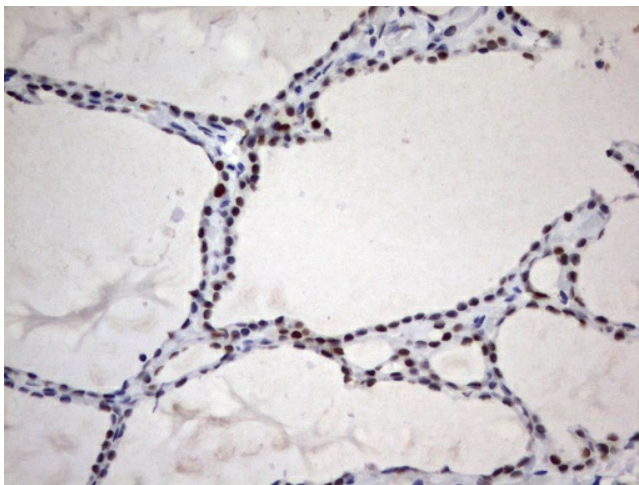
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



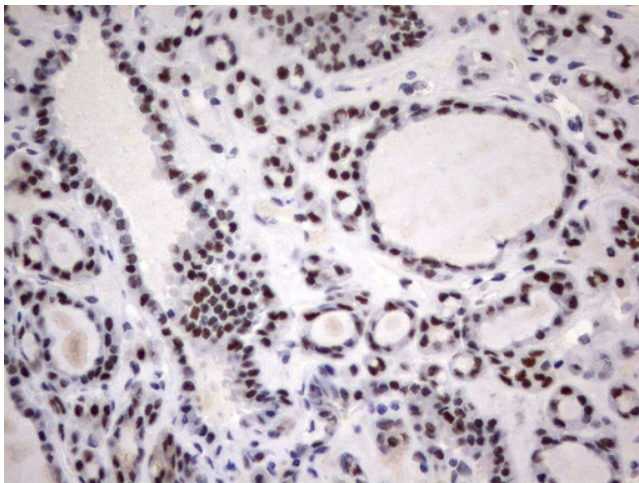
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



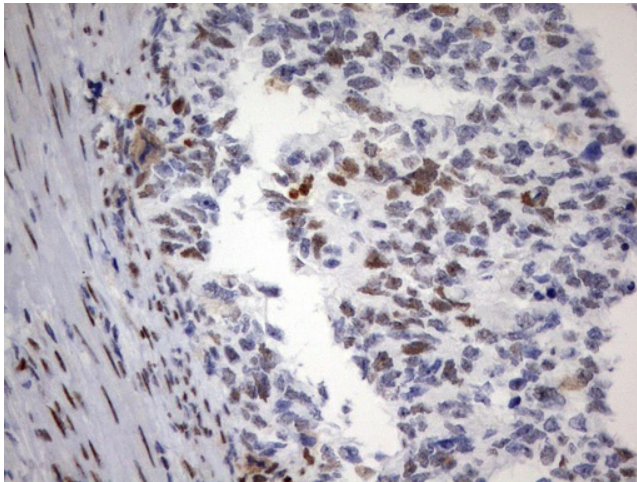
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



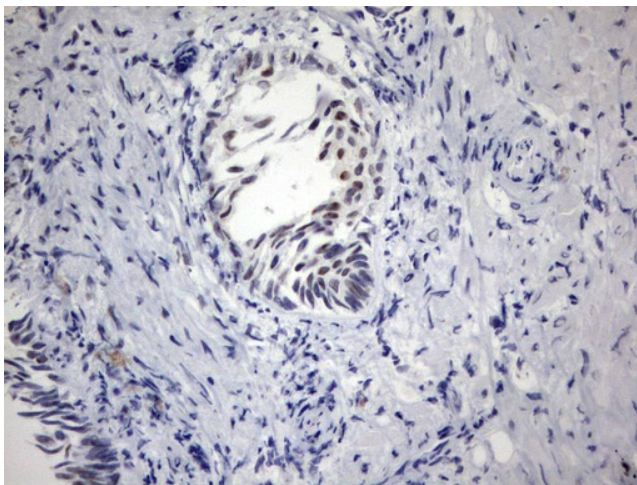
Immunohistochemical staining of paraffin-embedded Human thyroid tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



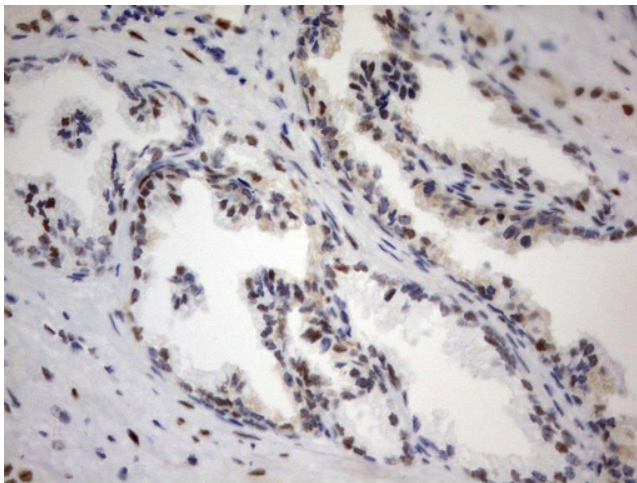
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



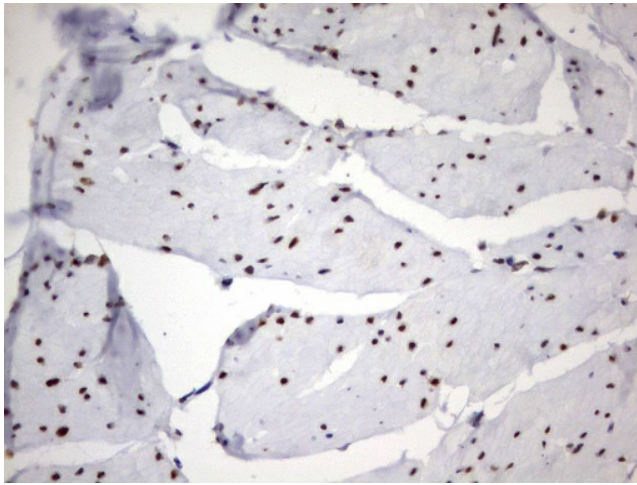
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



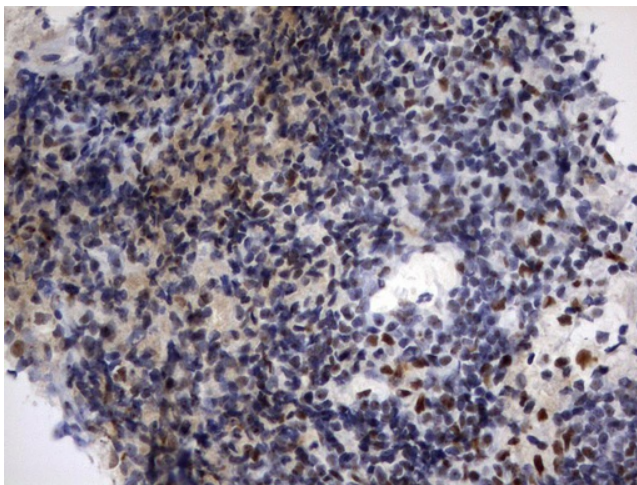
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



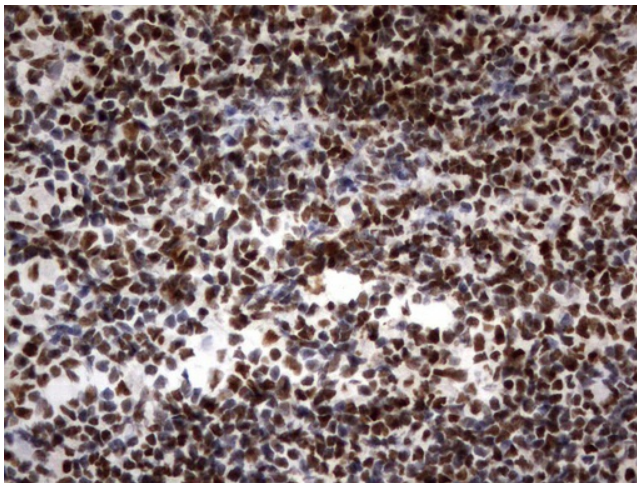
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



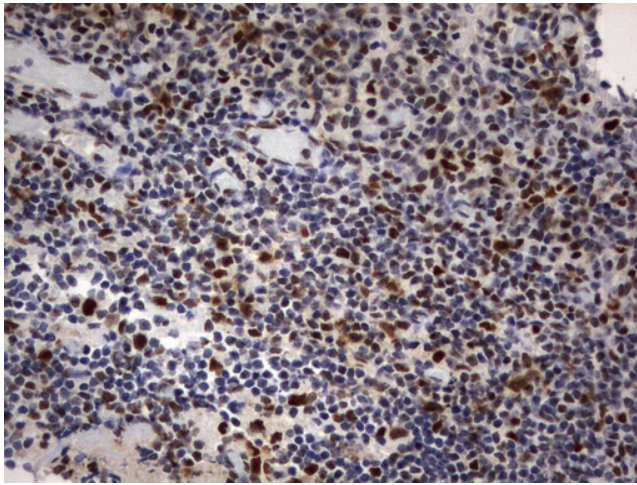
Immunohistochemical staining of paraffin-embedded Human bladder tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



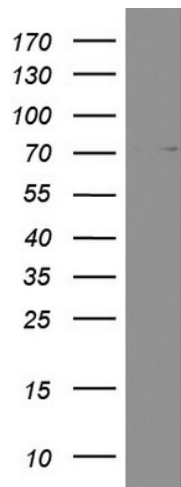
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



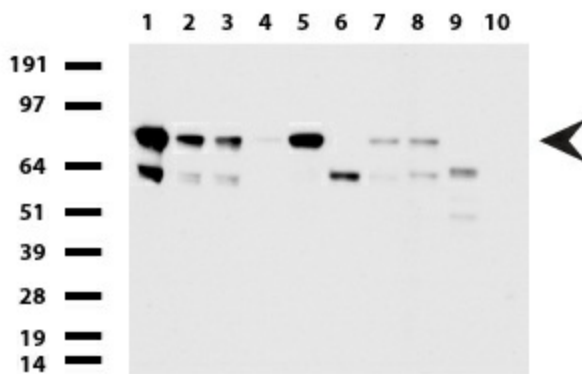
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-PARN mouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



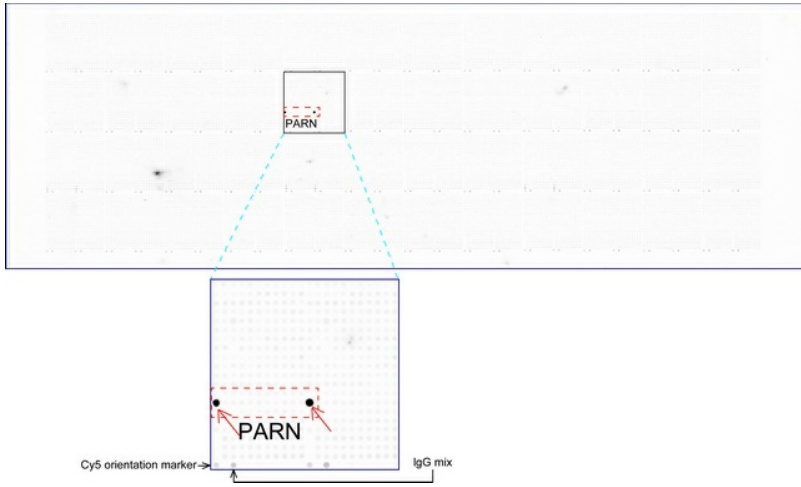
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-PARNmouse monoclonal antibody. ([UM800040]; heat-induced epitope retrieval by 10mM citric buffer, pH9.0, 120°C for 3min)



Western blot analysis of RPMI8226 cell lysate (35ug) by using anti-PARN monoclonal antibody.



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Diluution: 1:500.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-PARN mouse monoclonal antibody ([UM800040]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.