

Product datasheet for **UM800048**

HADHSC (HADH) Mouse Monoclonal Antibody [Clone ID: UMAB151]

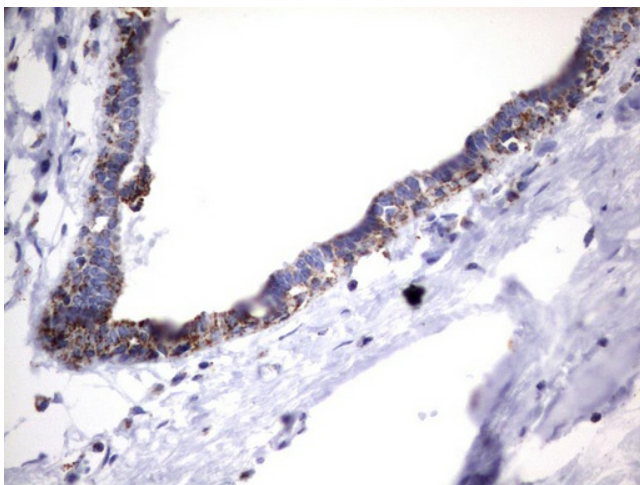
Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB151
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 57-314 of human HADH (NP_005318) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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:	hydroxyacyl-CoA dehydrogenase
Database Link:	NP_005318 Entrez Gene 15107 Mouse Entrez Gene 113965 Rat Entrez Gene 3033 Human Q16836
Background:	This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15. [provided by RefSeq, May 2010]
Synonyms:	HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD

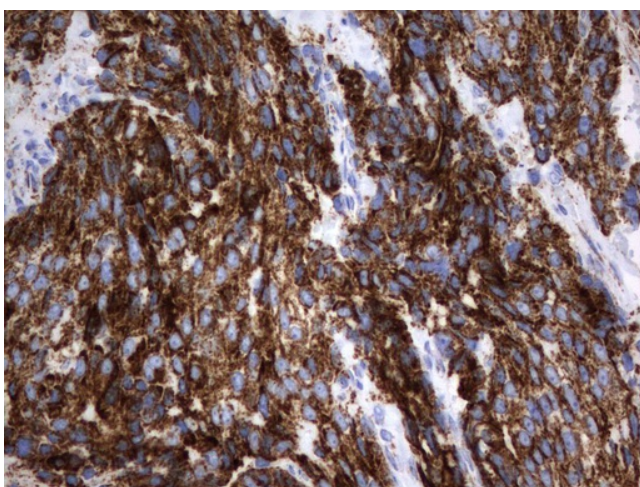

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Protein Pathways: Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation

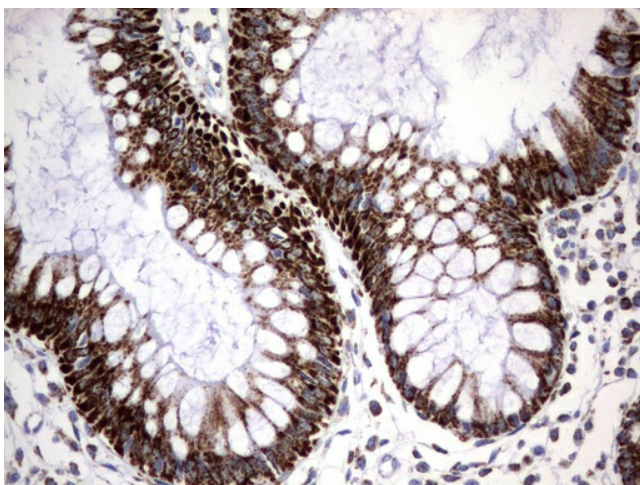
Product images:



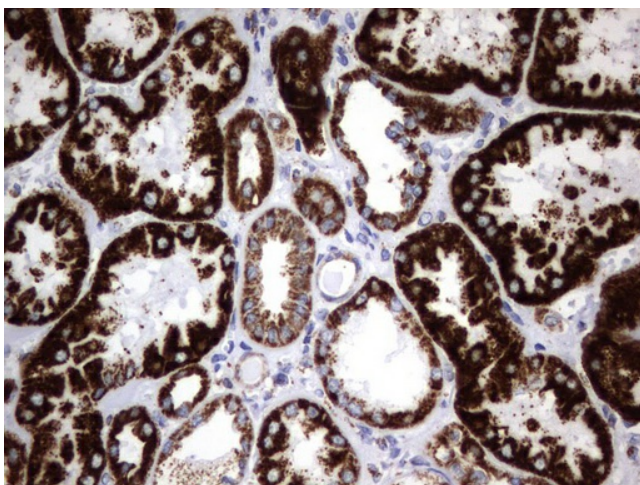
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



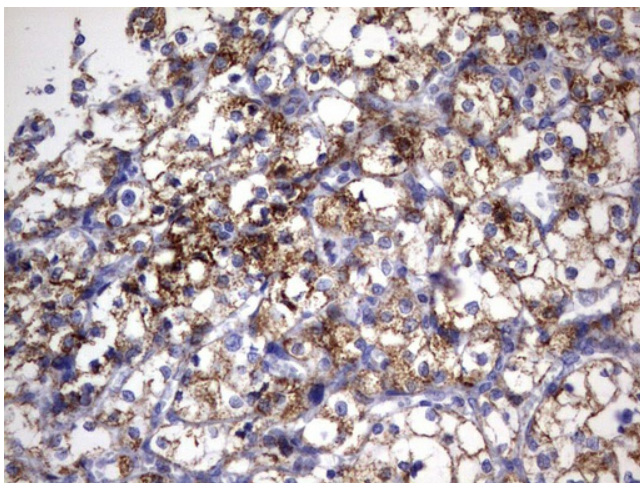
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



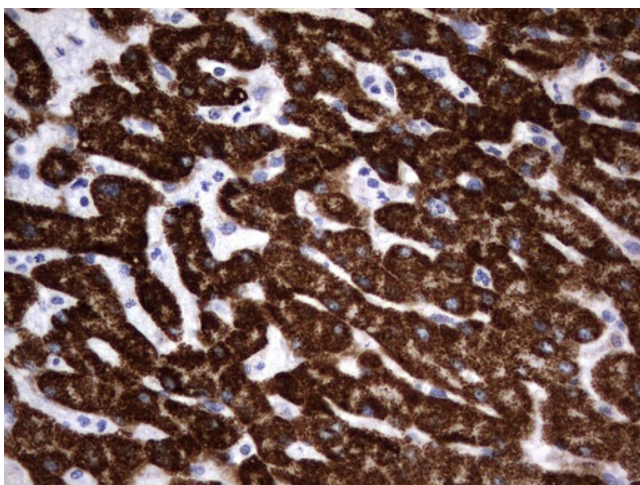
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



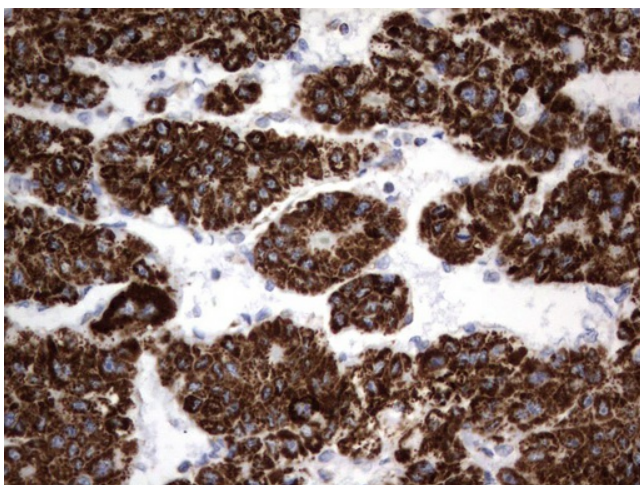
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



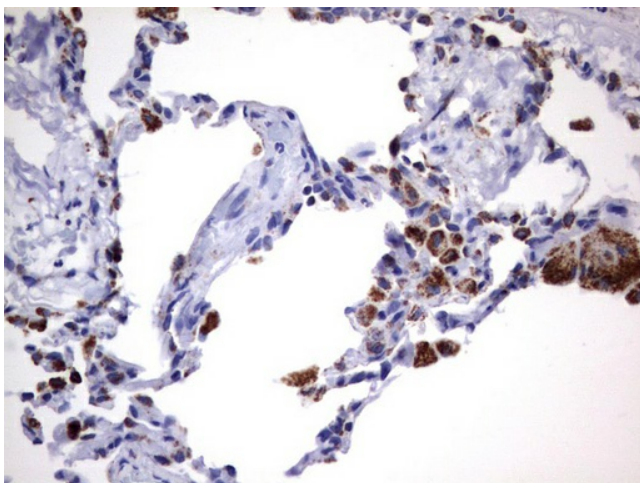
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



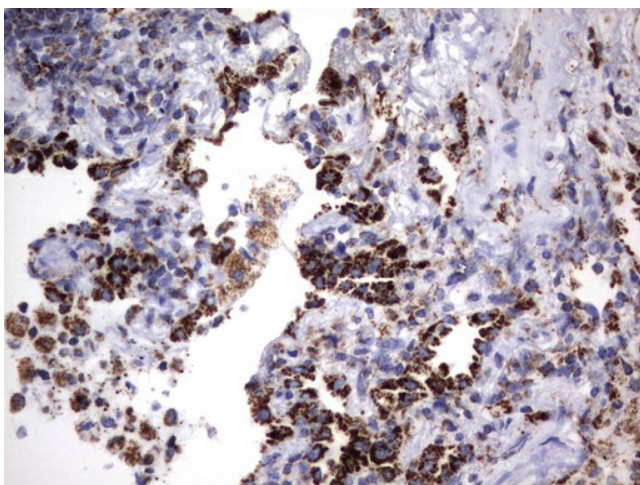
Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



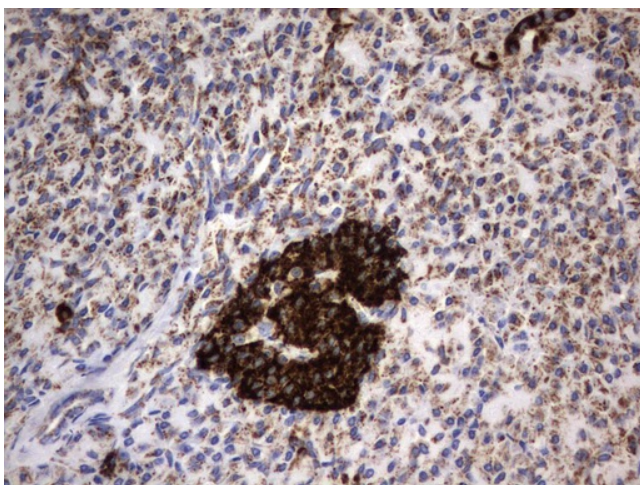
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



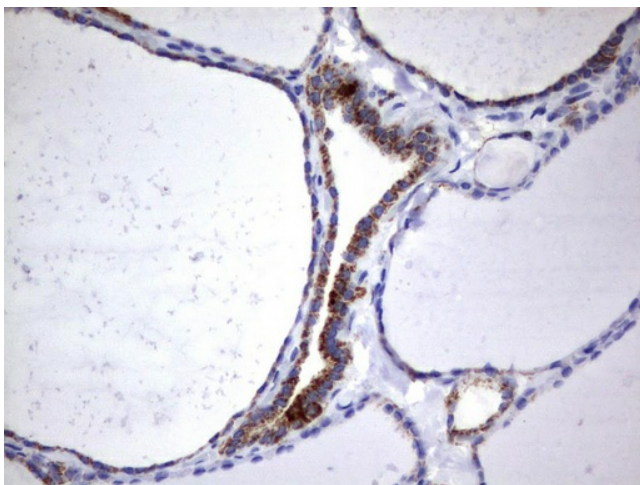
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



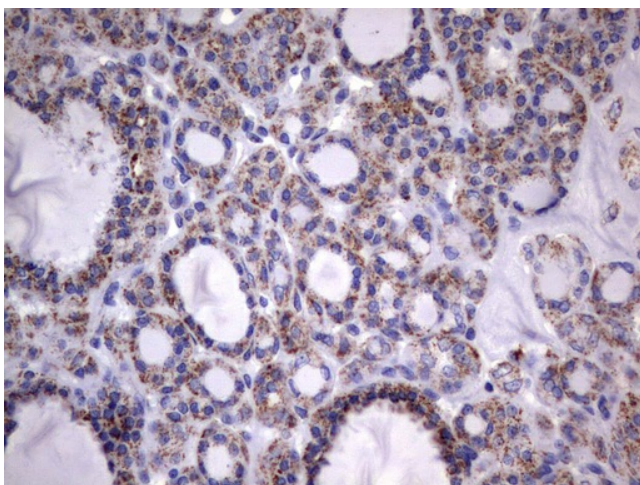
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



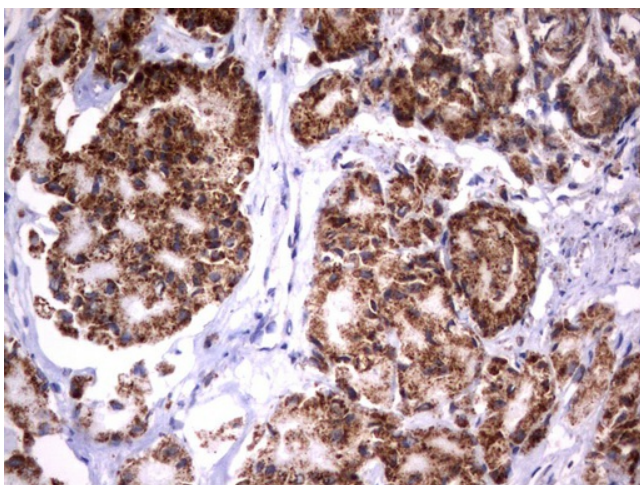
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



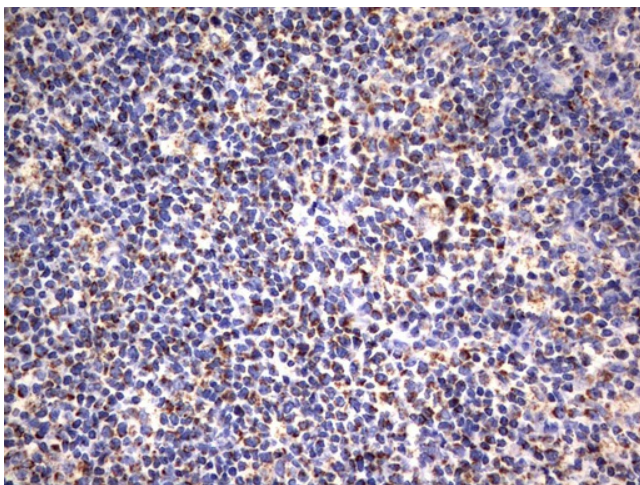
Immunohistochemical staining of paraffin-embedded Human thyroid tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



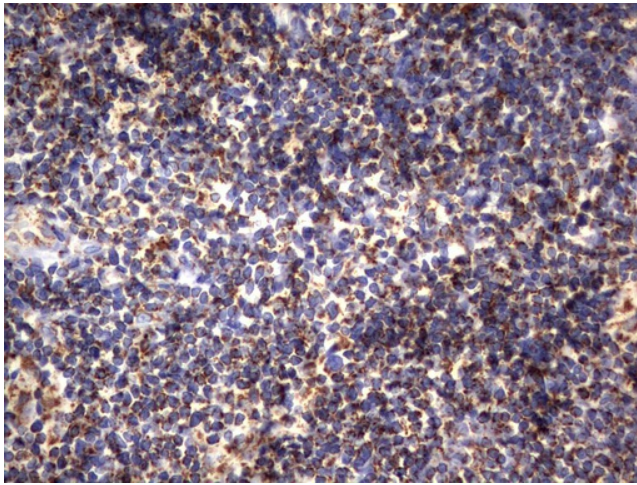
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



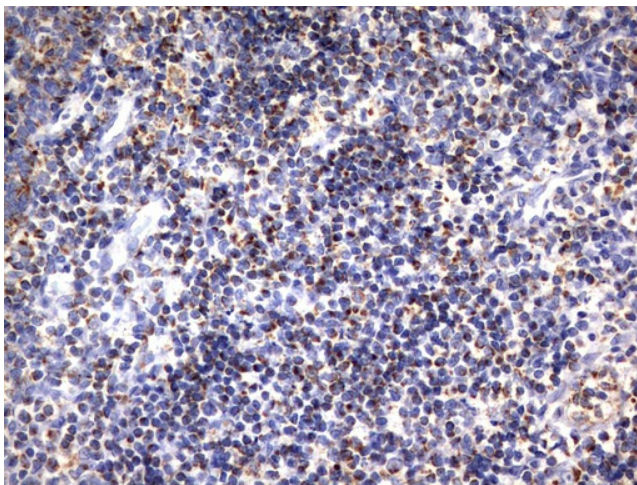
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



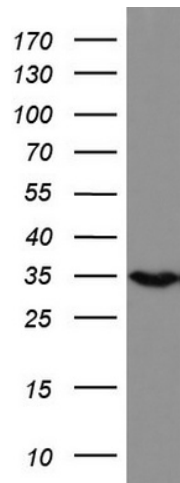
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



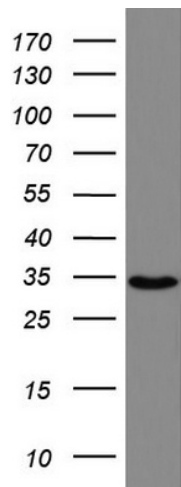
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



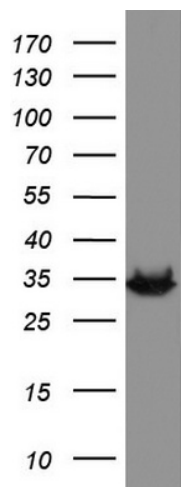
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-HADH mouse monoclonal antibody. (UM800048; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



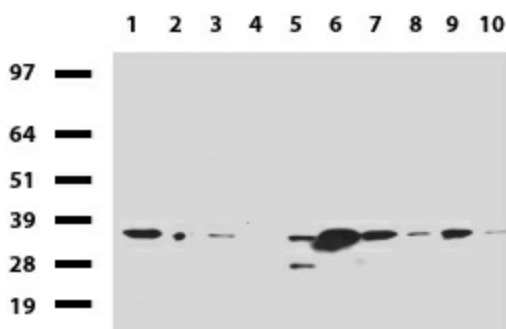
Western blot analysis of HEK293 cell lysate (35ug) by using anti-HADH monoclonal antibody.



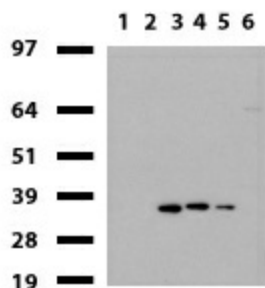
Western blot analysis of Jurkat cell lysate (35ug) by using anti-HADH monoclonal antibody.



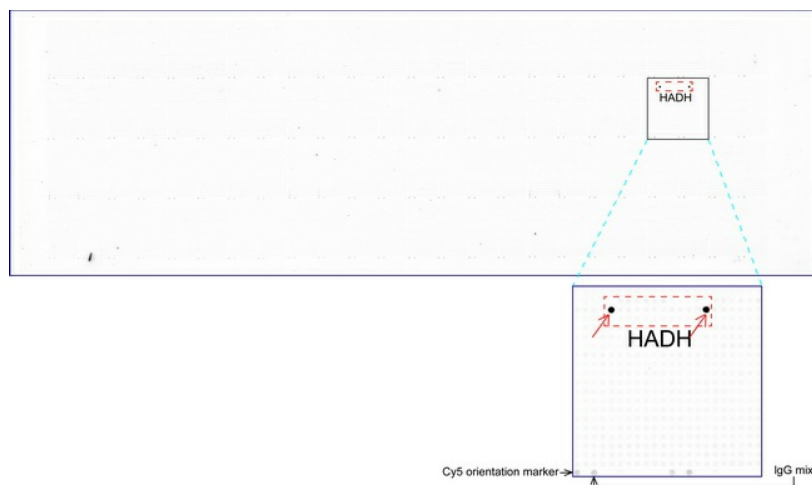
Western blot analysis of LOVO cell lysate (35ug) by using anti-HADH monoclonal antibody.



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). Dilution: 1:500.



Western blot of mouse tissue lysates (20ug) from 6 different tissues (1: Uterus, 2: Brain, 3: Liver, 4: Ovary, 5: Colon, 6: Spleen). Primary antibody dilution: 1:500. Secondary antibody dilution: Mouse TrueBlot® Ultra (1:1000).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-HADH mouse monoclonal antibody (UM800048). 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.