**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TA504834S

## DPH2 Mouse Monoclonal Antibody [Clone ID: OTI1A12]

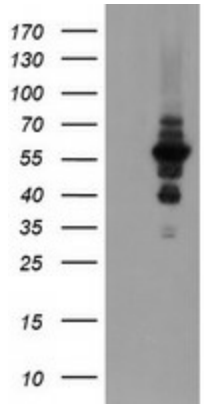
### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI1A12 |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | WB 1:2000, IHC 1:150 |
| **Reactivity:** | Human, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human DPH2(NP_001375) produced in HEK293T cell. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **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. |
| **Predicted Protein Size:** | 51.9 kDa |
| **Gene Name:** | diphthamide biosynthesis 2 |
| **Database Link:** | NP_001375<br>Entrez Gene 298452 RatEntrez Gene 1802 Human<br>Q9BQC3 |
| **Background:** | This gene is one of two human genes similar to the yeast gene dph2. The yeast gene was identified by its ability to complement a diphthamide mutant strain, and thus probably functions in diphthamide biosynthesis. Diphthamide is a post-translationally modified histidine residue present in elongation factor 2 (EF2) that is the target of diphtheria toxin ADP-ribosylation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |

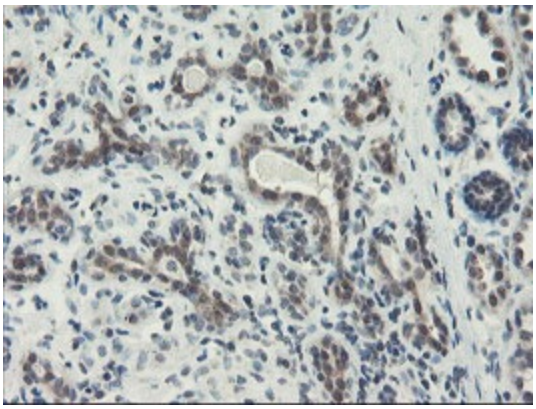
View online »

**Synonyms:** DPH2L2

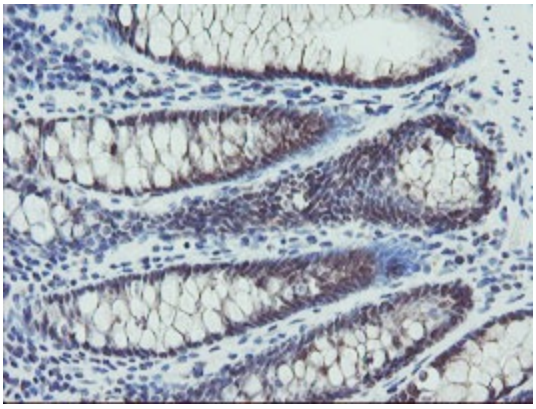
## Product images:



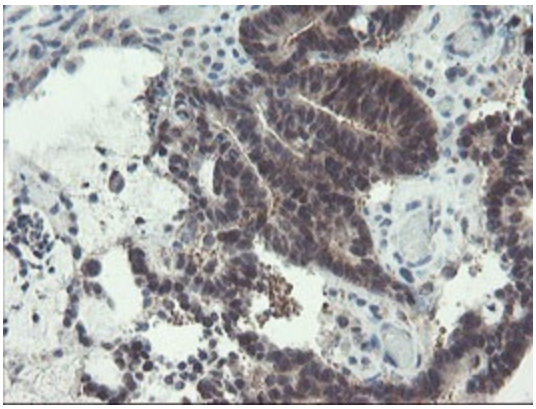

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DPH2 ([RC201382], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPH2. Positive lysates [LY419990] (100ug) and [LC419990] (20ug) can be purchased separately from OriGene.



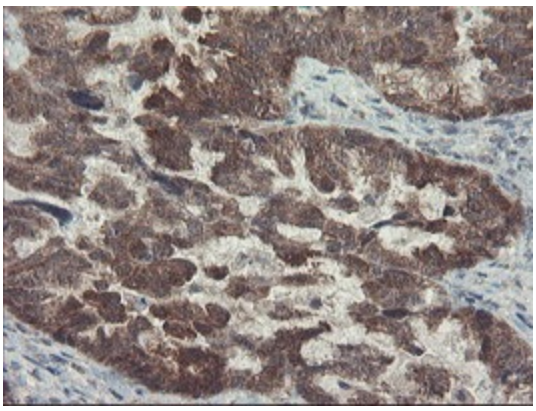
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



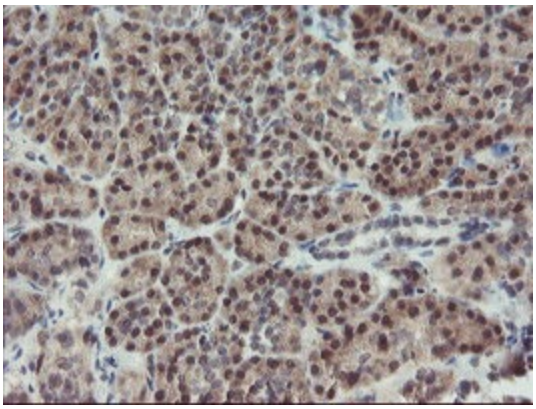
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



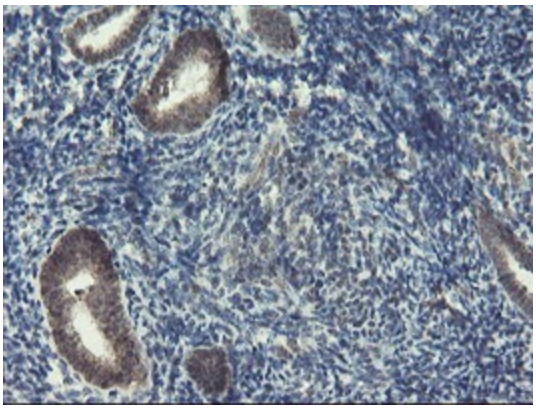
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



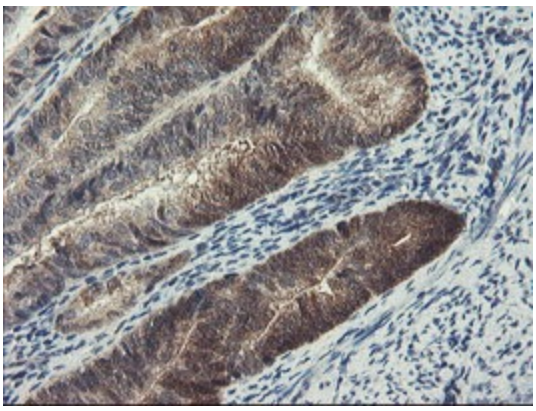
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



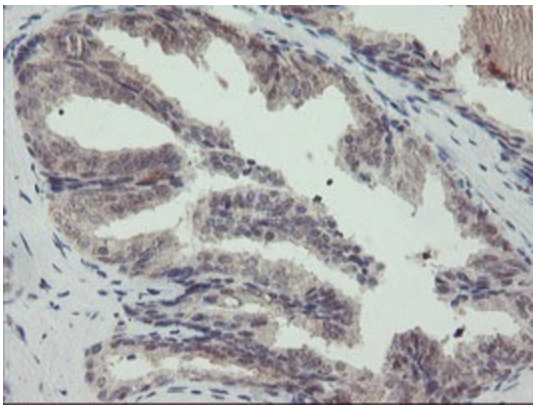
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



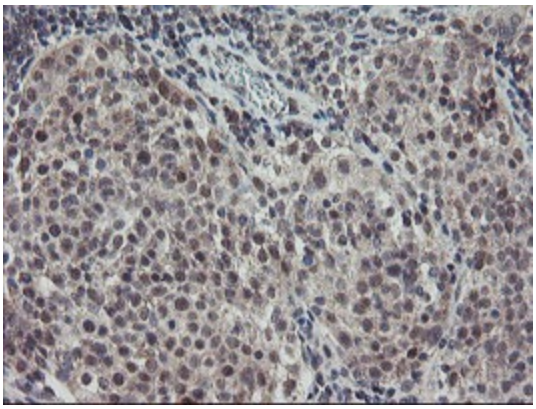
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



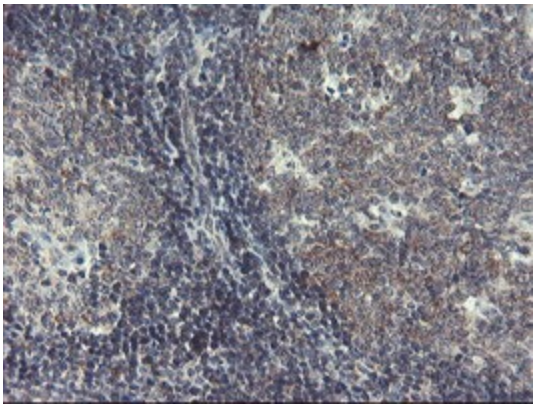
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-DPH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504834])