

EIF2S1 Antibody

Catalog No: #47097

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

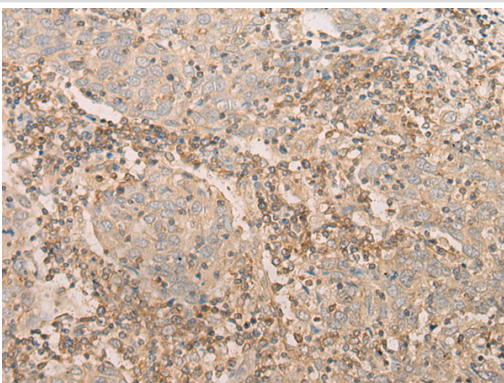
Description

| | |
|-----------------------|---|
| Product Name | EIF2S1 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antigen affinity purification |
| Applications | WB, IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous levels of total EIF2S1 protein. |
| Immunogen Type | peptide |
| Immunogen Description | Synthetic peptide of human EIF2S1 |
| Target Name | EIF2S1 |
| Other Names | EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha |
| Accession No. | Swiss-Prot#:P05198 NCBI Gene ID:1965Gene Accssion:NP_004085 |
| Uniprot | P05198 |
| GeneID | 1965; |
| Calculated MW | 36 kDa |
| Concentration | 0.6mg/ml |
| Formulation | Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol. |
| Storage | Store at -20C |

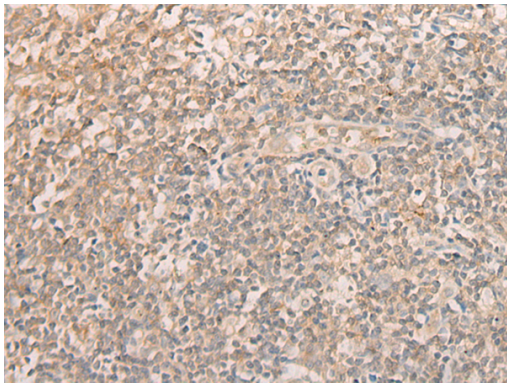
Application Details

Western blotting:1:200-1000Immunofluorescence:1: 20-100

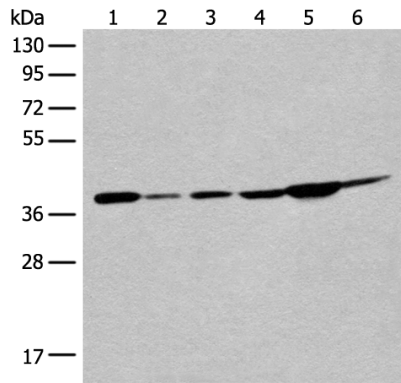
Images



The image is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 47097(EIF2S1 Antibody) at dilution 1/20. (Original magnification: ?00)



The image is immunohistochemistry of paraffin-embedded Human tonsil tissue using 47097(EIF2S1 Antibody) at dilution 1/20. (Original magnification: ?00)



Gel: 8%SDS-PAGE

Lysate: 40 µg, Lane 1-6: A549 cell, Human placenta tissue,

A172 cell, NIH/3T3 cell, Jurkat cell, Hela cell lysates

Primary antibody: EIF2S1 Antibody at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 minutes

Background

The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).

Note: This product is for in vitro research use only