STAU1 Polyclonal Antibody

Catalog No: #30523

Package Size: #30523-1 50ul #30523-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

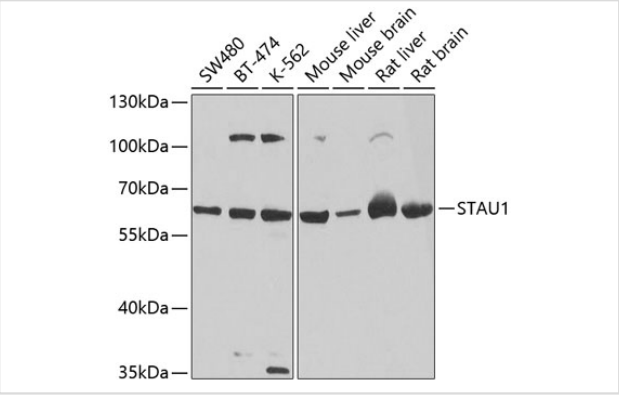
Description

Product Name	STAU1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human STAU1 (NP_059347.2).
Conjugates	Unconjugated
Other Names	STAU1; PPP1R150; STAU; staufen double-stranded RNA binding protein 1
Accession No.	Swiss-Prot#:O95793NCBI Gene ID:6780
Calculated MW	58kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

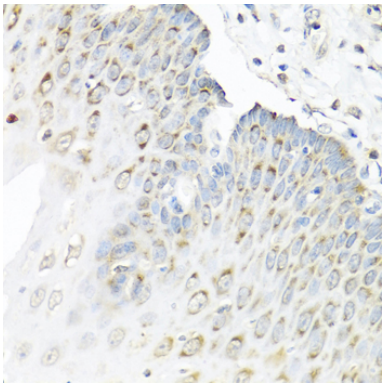
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100

Images



Western blot analysis of extracts of various cell lines, using STAU1 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human esophagus using STAU1 at dilution of 1:100 (40x lens).

Background

Staufen is a member of the family of double-stranded RNA (dsRNA)-binding proteins involved in the transport and/or localization of mRNAs to different subcellular compartments and/or organelles. These proteins are characterized by the presence of multiple dsRNA-binding domains which are required to bind RNAs having double-stranded secondary structures. The human homologue of staufen encoded by STAU, in addition contains a microtubule-binding domain similar to that of microtubule-associated protein 1B, and binds tubulin. The STAU gene product has been shown to be present in the cytoplasm in association with the rough endoplasmic reticulum (RER), implicating this protein in the transport of mRNA via the microtubule network to the RER, the site of translation. Five transcript variants resulting from alternative splicing of STAU gene and encoding three isoforms have been described. Three of these variants encode the same isoform, however, differ in their 5'UTR.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.