

Anti-RPS19BP1 Antibody

Catalog # AP53867

Product Information

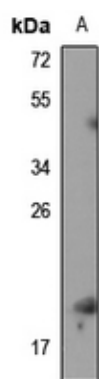
Application	WB, IHC
Primary Accession	Q86WX3
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15434

Additional Information

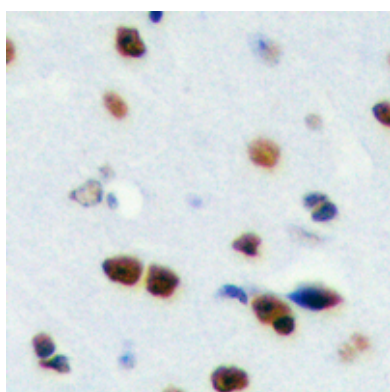
Gene ID	91582
Other Names	AROS; Active regulator of SIRT1; 40S ribosomal protein S19-binding protein 1; RPS19-binding protein 1; S19BP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RPS19BP1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

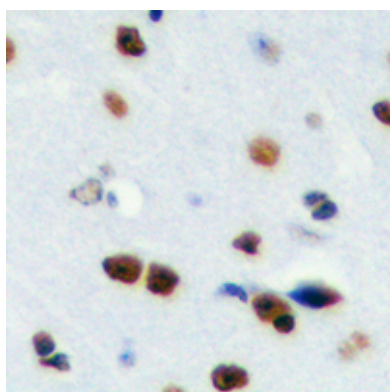
Name	RPS19BP1 (HGNC:28749)
Function	Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre- rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre- ribosomal RNA by the RNA exosome. Acts as a chaperone that specifically mediates the integration of RPS19 in state post-A1 (PubMed: 34516797). Direct regulator of SIRT1. Enhances SIRT1-mediated deacetylation of p53/TP53, thereby participating in inhibition of p53/TP53-mediated transcriptional activity (PubMed: 17964266).
Cellular Location	Nucleus, nucleolus
Tissue Location	Widely expressed (at protein level).



Western blot analysis of RPS19BP1 expression in H446 (A) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 20 kD)



Immunohistochemical analysis of RPS19BP1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.