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RRP7A Polyclonal Antibody

Catalog # AP73296

Product Information

Application	WB, IHC-P
Primary Accession	Q9Y3A4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32334

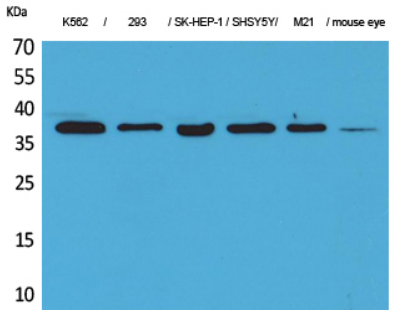
Additional Information

Gene ID	27341
Other Names	RRP7A; CGI-96; Ribosomal RNA-processing protein 7 homolog A; Gastric cancer antigen Zg14; RRP7B; Putative ribosomal RNA-processing protein 7 homolog B; Putative gastric cancer antigen Zg14-like protein
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

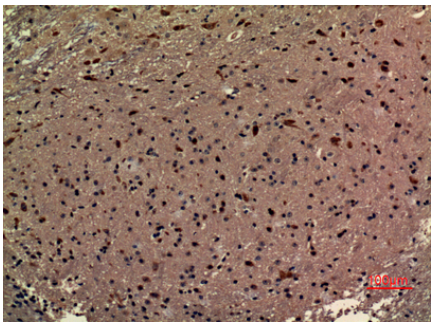
Protein Information

Name	RRP7A (HGNC:24286)
Function	Nucleolar protein that is involved in ribosomal RNA (rRNA) processing (PubMed:33199730). Also plays a role in primary cilia resorption, and cell cycle progression in neurogenesis and neocortex development (PubMed:33199730). 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 (PubMed:34516797).
Cellular Location	Nucleus, nucleolus. Cell projection, cilium. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Tissue Location	Expressed in the apical radial glial cells in the developing brain.

Images



Western Blot analysis of K562, 293, SK-HEP-1, SHSY5Y, M21, mouse eye cells using RRP7A Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100