10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HEATR1 Rabbit pAb

HEATR1 Rabbit pAb
Catalog # AP55993

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H583
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	242370
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HEATR1
Epitope Specificity	51-150/2144
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus, nucleolus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	55127
Other Names	HEAT repeat-containing protein 1, Protein BAP28, U3 small nucleolar RNA-associated protein 10 homolog, HEAT repeat-containing protein 1, N-terminally processed, HEATR1 (HGNC:25517), BAP28, UTP10
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HEATR1 (HGNC:25517)
Synonyms	BAP28, UTP10
Function	Ribosome biogenesis factor; required for recruitment of Myc to nucleoli (PubMed:38225354). Involved in nucleolar processing of pre- 18S ribosomal

	RNA. Required for optimal pre-ribosomal RNA transcription by RNA polymerase I (PubMed:17699751). 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). Involved in neuronal-lineage cell proliferation (PubMed:38225354).
Cellular Location	Nucleus, nucleolus

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.