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PARP12 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10592

Product Information

Application	WB, IHC
Primary Accession	Q9H0J9
Other Accession	NM_022750, NP_073587
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Predicted	Human, Mouse, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79064

Additional Information

Gene ID	64761
Alias Symbol	FLJ22693, MST109, MSTP109, PARP-12, ZC3H1, ZC3HDC1
Other Names	Poly [ADP-ribose] polymerase 12, PARP-12, 2.4.2.30, ADP-ribosyltransferase diphtheria toxin-like 12, ARTD12, Zinc finger CCCH domain-containing protein 1, PARP12, ZC3HDC1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PARP12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PARP12 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PARP12 {ECO:0000303|PubMed:20106667, ECO:0000312|HGNC:HGNC:21919}
Function	Mono-ADP-ribosyltransferase that mediates mono-ADP- ribosylation of target proteins (PubMed:25043379, PubMed:34969853). Acts as an antiviral factor by cooperating with PARP11 to suppress Zika virus replication (PubMed:34187568). Displays anti-alphavirus activity during IFN-gamma immune activation by directly ADP-ribosylating the alphaviral non-structural proteins nsP3 and nsP4 (PubMed:39888989). Acts as a component of the PRKD1-driven regulatory cascade that selectively controls a major branch of the basolateral transport pathway by catalyzing the MARylation of GOLGA1

(PubMed:34969853). Acts also as a key regulator of mitochondrial function, protein translation, and inflammation. Inhibits PINK1/Parkin-dependent mitophagy and promotes cartilage degeneration by inhibiting the ubiquitination and SUMOylation of MFN1/2 by up-regulating ISG15 and ISGylation (PubMed:39465252).

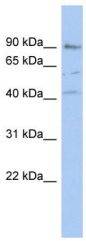
Cellular Location

Nucleus. Golgi apparatus, trans- Golgi network. Cytoplasm, Stress granule. Note=Translocates from the Golgi complex to stress granules upon stress conditions

References

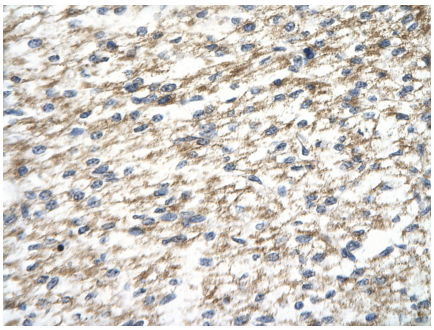
Katoh,M. (2003) Int. J. Oncol. 23 (2), 541-547 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-PARP12 Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:625
Positive Control: ACHN cell lysate

PARP12 is supported by BioGPS gene expression data to be expressed in ACHN



Rabbit Anti-PARP12 Antibody
Catalog Number:AI10592
Paraffin Embedded Tissue: Human cardiac cell
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.-8. ug/ml
Magnification:4X

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