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

Nbr1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13592

Product Information

Application	WB
Primary Accession	P97432
Other Accession	NM_008676, NP_032702
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109958

Additional Information

Gene ID	17966
Alias Symbol	mKIAA0049
Other Names	Next to BRCA1 gene 1 protein, Membrane component chromosome 17 surface marker 2 homolog, Neighbor of BRCA1 gene 1 protein, Nbr1, M17s2
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-Nbr1 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	Nbr1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

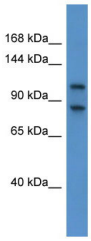
Name	Nbr1
Synonyms	M17s2
Function	Ubiquitin-binding autophagy adapter that participates in different processes including host defense or intracellular homeostasis (PubMed:31916398, PubMed:34374750). Possesses a double function during the selective autophagy by acting as a shuttle bringing ubiquitinated proteins to autophagosomes and also by participating in the formation of protein aggregates. Plays a role in the regulation of the innate immune response by modulating type I interferon production and targeting ubiquitinated IRF3 for autophagic degradation (By similarity). In response to oxidative stress,

	promotes an increase in SQSTM1 levels, phosphorylation, and body formation by preventing its autophagic degradation (PubMed:31916398). In turn, activates the KEAP1- NRF2/NFE2L2 antioxidant pathway (PubMed:31916398). Also plays non- autophagy role by mediating the shuttle of IL-12 to late endosome for subsequent secretion (PubMed:34374750).
Cellular Location	Cytoplasm. Cytoplasmic vesicle, autophagosome {ECO:0000250|UniProtKB:Q14596} Lysosome {ECO:0000250|UniProtKB:Q14596}. Cytoplasm, myofibril, sarcomere, M line {ECO:0000250|UniProtKB:Q501R9}. Note=In cardiac muscles localizes to the sarcomeric M line (By similarity). Is targeted to lysosomes for degradation (By similarity) {ECO:0000250|UniProtKB:Q14596, ECO:0000250|UniProtKB:Q501R9, ECO:0000269|PubMed:31916398}
Tissue Location	Expressed in brain.

References

Chambers J.A.,et al.Genomics 38:305-313(1996).
Dimitrov S.,et al.Gene 262:89-98(2001).

Images



WB Suggested Anti-Nbr1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Mouse Spleen

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