

Nbr1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13592**Specification**

Nbr1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P97432
Other Accession	NM_008676 , NP_032702
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109kDa KDa

Nbr1 antibody - C-terminal region - 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.

Nbr1 antibody - C-terminal region - 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). Plays also 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

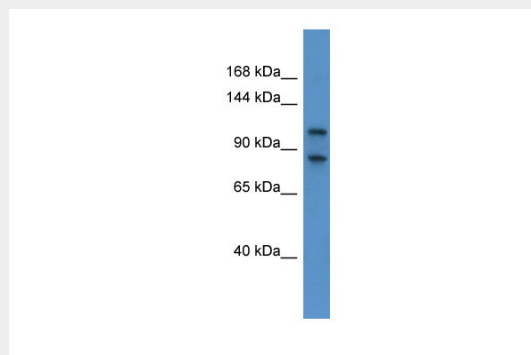
Expressed in brain.

Nbr1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Nbr1 antibody - C-terminal region - Images



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

Nbr1 antibody - C-terminal region - References

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