

NBR1 mouse Monoclonal Antibody(7C3)
Catalog # AP63837**Specification****NBR1 mouse Monoclonal Antibody(7C3) - Product Information**

Application	IF
Primary Accession	Q14596
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal

NBR1 mouse Monoclonal Antibody(7C3) - Additional Information**Gene ID** 4077**Other Names**

Next to BRCA1 gene 1 protein (Cell migration-inducing gene 19 protein) (Membrane component chromosome 17 surface marker 2) (Neighbor of BRCA1 gene 1 protein) (Protein 1A1-3B)

Dilution

IF~~IF: 1:50-200 IHC-p 1:50-300

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

NBR1 mouse Monoclonal Antibody(7C3) - Protein Information**Name** NBR1**Synonyms** 1A13B, KIAA0049, M17S2**Function**

Ubiquitin-binding autophagy adapter that participates in different processes including host defense or intracellular homeostasis (PubMed:33577621, PubMed:24692539). 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 (PubMed:24879152, PubMed:34471133). Plays a role in the regulation of the innate immune response by modulating type I interferon production and targeting ubiquitinated IRF3 for autophagic degradation (PubMed:35914352). In response to oxidative stress, promotes an increase in SQSTM1 levels, phosphorylation, and body formation by preventing its autophagic degradation (By similarity). In turn, activates the KEAP1-NRF2/NFE2L2

antioxidant pathway (By similarity). Plays also non-autophagy role by mediating the shuttle of IL-12 to late endosome for subsequent secretion (By similarity).

Cellular Location

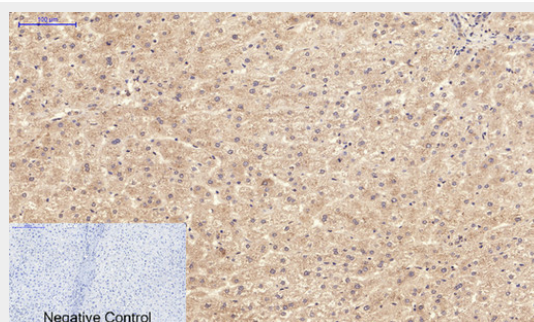
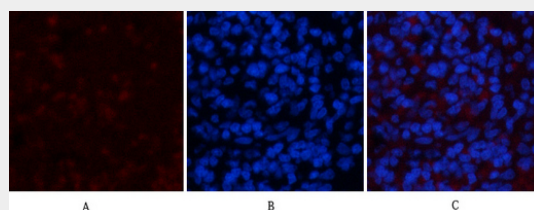
Cytoplasm. Cytoplasmic vesicle, autophagosome. Lysosome. Cytoplasm, myofibril, sarcomere, M line {ECO:0000250|UniProtKB:Q501R9}. Note=In cardiac muscles localizes to the sarcomeric M line (By similarity). Is targeted to lysosomes for degradation (PubMed:19250911). {ECO:0000250|UniProtKB:Q501R9, ECO:0000269|PubMed:19250911}

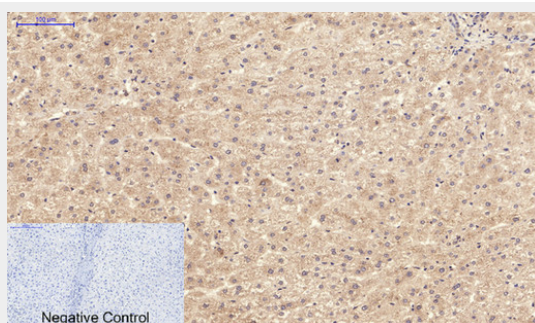
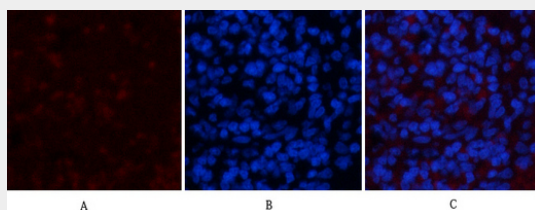
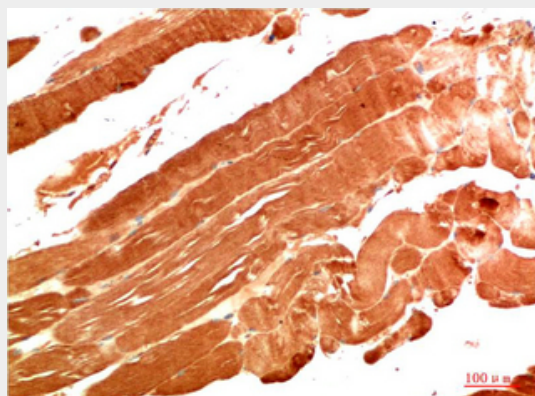
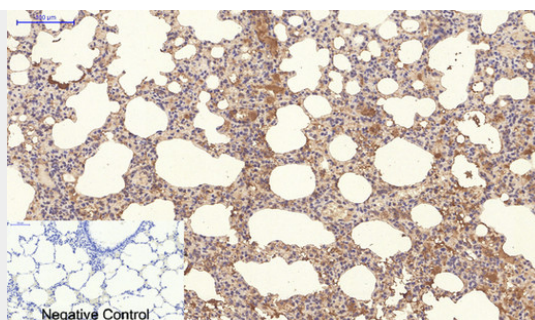
NBR1 mouse Monoclonal Antibody(7C3) - Protocols

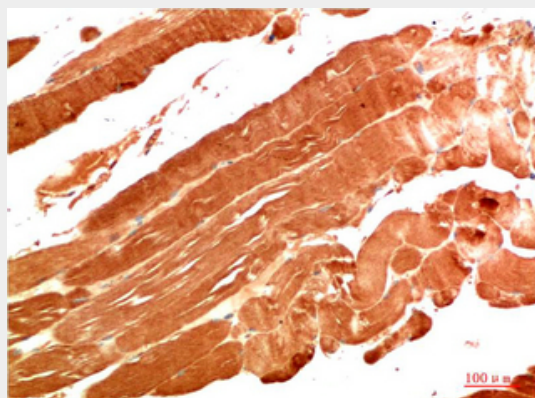
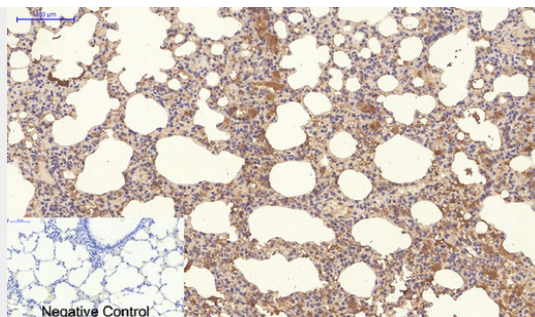
Provided below are standard protocols that you may find useful for product applications.

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

NBR1 mouse Monoclonal Antibody(7C3) - Images







NBR1 mouse Monoclonal Antibody(7C3) - Background

Acts probably as a receptor for selective autophagosomal degradation of ubiquitinated targets.