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C19orf28 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12528

Specification

C19orf28 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	Q6NUT3
Other Accession	NM_001042680, NP_001036145
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51kDa KDa**

C19orf28 antibody - middle region - Additional Information

Gene ID 126321

Alias Symbol **MGC20700, PP3501, C19orf28**
Other Names
Major facilitator superfamily domain-containing protein 12, MFSD12, C19orf28

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-C19orf28 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
C19orf28 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

C19orf28 antibody - middle region - Protein Information

Name MFSD12 {ECO:0000303|PubMed:29025994, ECO:0000312|HGNC:HGNC:28299}

Function
Transporter that mediates the import of cysteine into melanosomes, thereby regulating skin pigmentation (PubMed:33208952, PubMed:37751742). In melanosomes, cysteine import is required both for normal levels of cystine, the oxidized dimer of cysteine, and provide cysteine for the production of the cysteinyldopas used in pheomelanin synthesis, thereby regulating skin pigmentation (PubMed:33208952). Also catalyzes import of cysteine into lysosomes in non-pigmented cells, regulating lysosomal cystine and cysteine storage, which is essnetial for redox homeostasis (PubMed:<a

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href="http://www.uniprot.org/citations/33208952" target="_blank">33208952, PubMed:37751742).

Cellular Location
Melanosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein

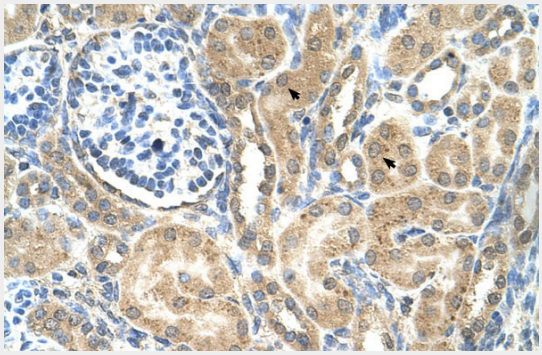
Tissue Location
Widely expressed, with high expression in primary melanocytes.

C19orf28 antibody - middle region - Protocols

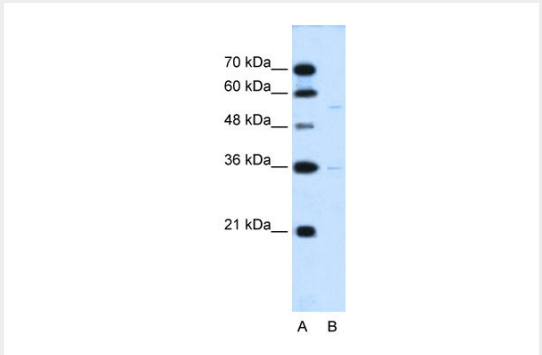
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C19orf28 antibody - middle region - Images



Human kidney



WB Suggested Anti-C19orf28 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate