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C19orf28 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12528

Product Information

Application	WB, IHC
Primary Accession	Q6NUT3
Other Accession	NM_001042680, NP_001036145
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52075

Additional Information

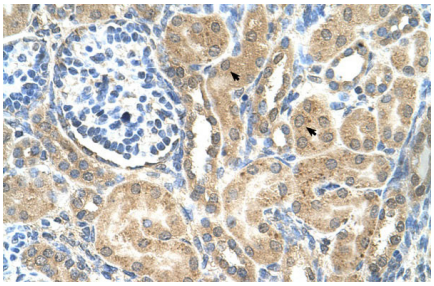
Gene ID	126321
Alias Symbol	MGC20700, PP3501, C19orf28
Other Names	Major facilitator superfamily domain-containing protein 12, MFSD12, C19orf28
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. 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.

Protein Information

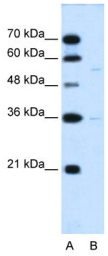
Name	MFSD12 {ECO:0000303|PubMed:29025994, ECO:0000312|HGNC:HGNC:28299}
Function	Transporter that mediates the import of cysteine into melanosomes, thereby regulating skin pigmentation (PubMed:33208952, PubMed:37751742). In melanosomes, cysteine import is required both for normal levels of cystine, the 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 essential for redox homeostasis (PubMed: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.

Images



Human kidney



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

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