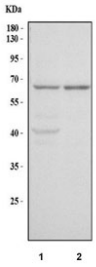
MANSC1 Antibody / MANSC domain-containing protein 1 (RQ8616)

Catalog No.	Formulation	Size
RQ8616	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H8J5
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This MANSC1 antibody is available for research use only.



Western blot testing of human 1) RT4 and 2) U-251 cell lysate with MANSC1 antibody. Predicted molecular weight ~47 kDa but may be observed at higher molecular weights due to glycosylation.

Description

MANSC1 (MANSC domain-containing protein 1), also known as LOH12CR3 (Loss of heterozygosity 12 chromosomal region 3 protein), is a 414 amino acid single-pass membrane protein. Expressed throughout the body, MANSC1 contains one MANSC domain and is encoded by a gene that is located on chromosome 12. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex

gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction.

Application Notes

Optimal dilution of the MANSC1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids L21-N337) was used as the immunogen for the MANSC1 antibody.

Storage

After reconstitution, the MANSC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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