

MB21D1 polyclonal antibody

Catalog: BS71168

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

cGAS (cyclic GMP-AMP synthase), also known as MB21D1 (Mab-21 domain containing 1), h-cGAS or C6orf150, is a 522 amino acid cytoplasmic nucleotidyl-transferase that catalyzes the formation of cyclic GMP-AMP (cGAMP) from ATP and GTP. cGAS is suggested to have antiviral activity by acting as a key cytosolic DNA sensor. cGAS binds to cytosolic DNA, which leads to cGAMP synthesis and activation of TMEM173, thereby trigger type-I interferon production. Expressed in monocytic cell line THP1, cGAS exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 6q13.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Molecular Weight:

~ 59 kDa

Swiss-Prot:

Q8N884

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

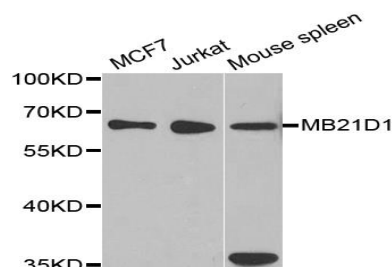
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

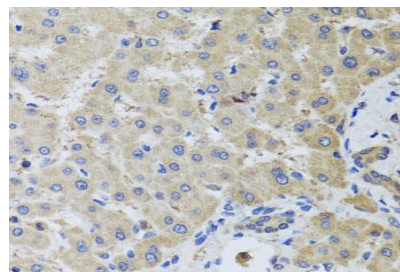
Specificity:

MB21D1 polyclonal antibody detects endogenous levels of MB21D1 protein.

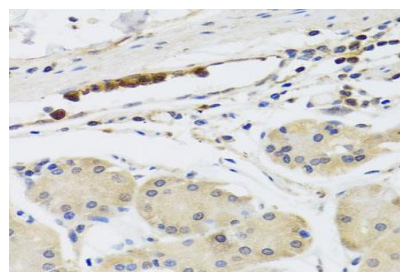
DATA:



Western blot analysis of extracts of various cell lines, using MB21D1 antibody.



Immunohistochemistry of paraffin-embedded human liver injury using MB21D1 antibody at dilution of 1:100 (x40 lens).



Immunohistochemistry of paraffin-embedded human gastric using MB21D1 antibody at dilution of 1:100 (x40 lens).

Note:

For research use only, not for use in diagnostic procedure.

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