

GTPBP2 polyclonal antibody

Catalog: BS61457

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Small G proteins act as molecular switches for regulation of variety of cellular processes, such as nuclear transport, signal transduction, membrane trafficking and protein synthesis. GTPBP2 (GTP-binding protein 2) is a 602 amino acid G protein that is expressed in kidney, skeletal muscle, testis, brain and thymus, though it is not detected in liver. Expression of GTPBP2 is enhanced by ©-interferon stimulation in HeLa cells, THP-1 cells and thioglycollate-elicited mouse peritoneal macrophages. There are four isoforms of GTPBP2 that are expressed as a result of alternative splicing events. Since mutation of the gene encoding GTPBP1 does not lead to any phenotypic abnormalities, it is thought that there may be a genetic redundancy to make up for GTPBP1 lack-of-function. GTPBP2 shares 44% sequence similarity with GTPBP1 and also overlaps in expression pattern, suggesting that the GTPBP2 gene may compensate for GTPBP1 genetic abnormalities.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 65 kDa

Swiss-Prot:

Q9BX10

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: 1:500~1:1000

IHC: 1:50~1:200

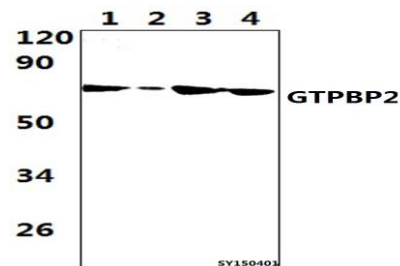
Storage&Stability:

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

Specificity:

GTPBP2 polyclonal antibody detects endogenous levels of GTPBP2 protein.

DATA:



Western blot (WB) analysis of GTPBP2 polyclonal antibody at 1:1000 dilution

Lane1: JURKAT whole cell lysate (56µg)

Lane2: THP-1 whole cell lysate (42µg)

Lane3: The Thymus whole cell lysate of Rat (39µg)

Lane4: The Testis tissue lysate of Mouse (47µg)

Note:

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

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