GTPBP5 polyclonal antibody

Catalog:	BS61198	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. GTPBP5 (GTP-binding protein 5), also known as OBGH1, is a 406 amino acid small G protein that contains an amino-terminal mitochondria-localization signal. Knockdown of GTPBP5 mRNA results in abnormal nuclear morphologies and elongated mitochondria. In vitro studies demonstrate that GTPBP5 exhibits GTPase activity, cycling between an active GTP-bound state and an inactive GDP-bound state. Activation of GTPases usually results in rearrangements of filamentous actin and the formation of actin stress fibers.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 44 kDa

Swiss-Prot:

Q9H4K7

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).
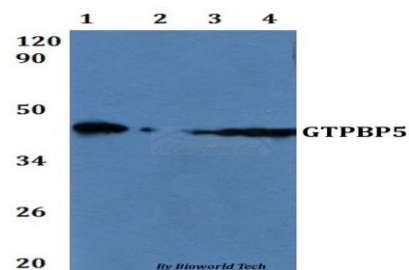
Applications:

WB: 1:500~1:1000

Storage&Stability:

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

Specificity:

GTPBP5 polyclonal antibody detects endogenous levels of GTPBP5 protein.

DATA:

Western blot (WB) analysis of GTPBP5 polyclonal antibody at 1:500 dilution

Line1:A549 whole cell lysate

Line2:Hela whole cell lysate

Line3:PC12 whole cell lysate

Line4:sp20 whole cell lysate

Note:

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