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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54884_P050-FITC
Product Page	www.avivasysbio.com/gtbbp4-antibody-c-terminal-region-fitc-arp54884-p050-fitc.html
Name	GTPBP4 Antibody - C-terminal region : FITC (ARP54884_P050-FITC)
Protein Size (# AA)	634 amino acids
Molecular Weight	74kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	23560
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	GTP binding protein 4
Alias Symbols	NGB, CRFG, NOG1
Peptide Sequence	Synthetic peptide located within the following region: MVKKAKTMMKNAQKKMNRLLGKKGEADRHVFDMPKPKHLLSGKRKAGKKDRR
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Lee,H., (2007) Mol. Cell. Biol. 27 (6), 2103-2119
Description of Target	GTP-binding proteins are GTPases and function as molecular switches that can flip between two states: active, when GTP is bound, and inactive, when GDP is bound. 'Active' in this context usually means that the molecule acts as a signal to trigger other events in the cell. When an extracellular ligand binds to a G-protein-linked receptor, the receptor changes its conformation and switches on the trimeric G proteins that associate with it by causing them to eject their GDP and replace it with GTP. The switch is turned off when the G protein hydrolyzes its own bound GTP, converting it back to GDP. But before that occurs, the active protein has an opportunity to diffuse away from the receptor and deliver its message for a prolonged period to its downstream target. GTP-binding proteins are GTPases and function as molecular switches that can flip between two states: active, when GTP is bound, and inactive, when GDP is bound. 'Active' in this context usually means that the molecule acts as a signal to trigger other events in the cell. When an extracellular ligand binds to a G-protein-linked receptor, the receptor changes its conformation and switches on the trimeric G proteins that associate with it by causing them to eject their GDP and replace it with GTP. The switch is turned off when the G protein hydrolyzes its own bound GTP, converting it back to GDP. But before that occurs, the active protein has an opportunity to diffuse away from the receptor and deliver its message for a prolonged period to its downstream target.
Protein Interactions	SUMO3; UBC; POP1; PNMA2; PSME3; PRKRA; SUMO1; STAU1; NEDD8; EIF6; IFRD1; AZGP1; MRTO4; KCTD2; DICER1; SUZ12; EED; RNF2; CSNK2A2; CBX8; VCAM1; FN1; ESR1; UBD; CAND1; COPS5; SIRT7; SUMO2; EIF2AK2; OAS3; tat; TP53; YWHAG; LYAR; PINX1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GTPBP4 (ARP54884_P050-FITC) antibody
Blocking Peptide	For anti-GTPBP4 (ARP54884_P050-FITC) antibody is Catalog # AAP54884 (Previous Catalog # AAPP31686)
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human GTPBP4
Uniprot ID	Q9BZE4
Protein Name	Nucleolar GTP-binding protein 1
Sample Type Confirmation	GTPBP4 is strongly supported by BioGPS gene expression data to be expressed in MCF7

Protein Accession #	NP_036473
Purification	Affinity Purified
Nucleotide Accession #	NM_012341
Gene Symbol	GTPBP4
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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