

GBP6 Rabbit pAb

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Catalog # AP55127

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6ZN66
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72427
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GBP6
Epitope Specificity	331-430/633
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GBP6 is a 633 amino acid protein that exists as two alternatively spliced isoforms belonging to the GBP family. GBP6 binds GTP, GDP and GMP, and is encoded by a gene that maps to human chromosome 1p22.2. Chromosome 1 spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

Additional Information

Gene ID	163351
Other Names	Guanylate-binding protein 6, 3.6.5.-, GTP-binding protein 6, GBP-6, Guanine nucleotide-binding protein 6, GBP6
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GBP6
Function	Interferon (IFN)-inducible GTPase that plays important roles in innate immunity against a diverse range of bacterial, viral and protozoan pathogens, such as bacterial pathogens <i>Listeria monocytogenes</i> and <i>Mycobacterium bovis</i> BCG as well as the protozoan pathogen <i>Toxoplasma gondii</i> (By similarity). Confers protection to several pathogens, including the bacterial pathogens <i>Listeria monocytogenes</i> and <i>Mycobacterium bovis</i> BCG as well as the protozoan pathogen <i>Toxoplasma gondii</i> (By similarity).
Cellular Location	Cytoplasmic vesicle {ECO:0000250 UniProtKB:A0A0G2JDV3}

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