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# anti-GBP6 antibody (C-Term)

2 Images



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#### Overview

Overview	
Quantity:	0.1 mg
Target:	GBP6
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBP6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	15 amino acid synthetic peptide near the carboxy terminus of Human GBP6
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column
Target Details	
Target:	GBP6
Alternative Name:	GTP-Binding Protein 6 / GBP6 (GBP6 Products)
Background:	The guanylate-binding proteins (GBPs), a family of interferon-induced GTP-binding proteins
	function in innate immunity against microbial and viral pathogens. In humans, there are seven
	GBPs from hGBP1 to hGBP7. Human GBP1 and GBP2 have been shown to exhibit antiviral
	activity as well as being able to regulate the inhibition of proliferation and invasion of

## **Target Details**

	endothelial cells in response to interferon (IFN) (1,3). GBP6 is induced by IFN and hydrolyzes GTP to both GDP and GMP. The precise function of GBP6 is still under investigation .Synonyms: Guanine nucleotide-binding protein 6, Guanylate-binding protein 6
Gene ID:	163351
NCBI Accession:	NP_940862
Pathways:	Cellular Response to Molecule of Bacterial Origin

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

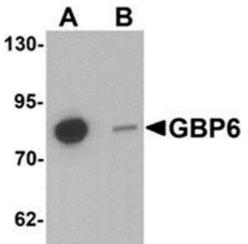
## Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



### Immunofluorescence

**Image 1.** Immunocytochemistry of GBP6 in HeLa cells with GBP6 antibody at 2.5 ug/mL.



### **Western Blotting**

**Image 2.** Western blot analysis of GBP6 in Hela cell lysate with GBP6 Antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.