



GBP4 Polyclonal Antibody

Catalog No	YP-Ab-16161
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	GBP4
Immunogen	The antiserum was produced against synthesized peptide derived from human GBP4. AA range:551-600
Specificity	GBP4 Polyclonal Antibody detects endogenous levels of GBP4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:3.6.5.-;GBP-4;GTP-binding protein 4;Guanine nucleotide-binding protein 4; Guanylate-binding protein 4;GBP4
Observed Band	73kD
Calculated Molecular Weight	73kD
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, perinuclear region . Golgi apparatus membrane . Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP-5, at the Golgi apparatus. .
Tissue Specificity	Brain,Epithelium,Placenta,Spinal cord,Spleen,Testis,
Function	function: Binds GTP, GDP and GMP. Hydrolyzes GTP very efficiently; GDP rather than GMP is the major reaction product. Plays a role in erythroid differentiation.,similarity: Belongs to the GBP family.,
Background	Guanylate-binding proteins, such as GBP4, are induced by interferon and hydrolyze GTP to both GDP and GMP (Vestal, 2005 [PubMed 16108726]) .[supplied by OMIM, Dec 2008],

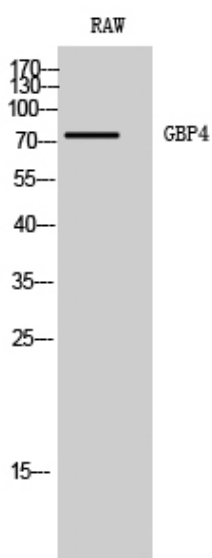
**matters needing attention**

Avoid repeated freezing and thawing!

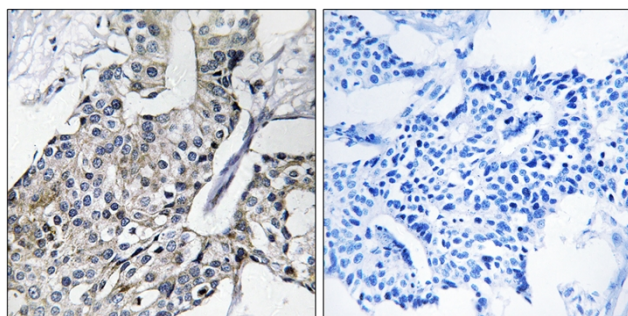
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of RAW cells using GBP4 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using GBP4 Antibody. The picture on the right is blocked with the synthesized peptide.