

Product datasheet for **TA336885**

GBP1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 2-4 ug/ml, Immunohistochemistry-Paraffin: 5 ug/ml, Immunohistochemistry: 1:10-1:500
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A portion of amino acids 500-550 of human GBP1 was used as the immunogen for this antibody.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	guanylate binding protein 1
Database Link:	NP_002044 Entrez Gene 2633 Human P32455



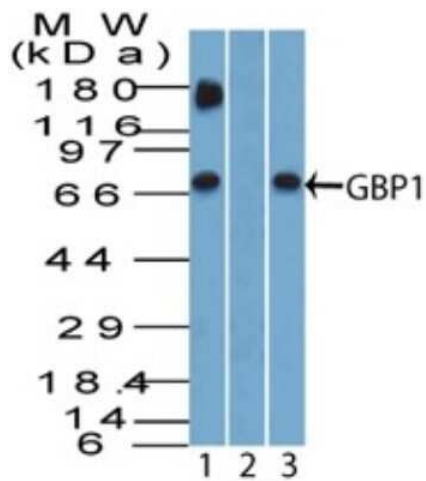
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Background:

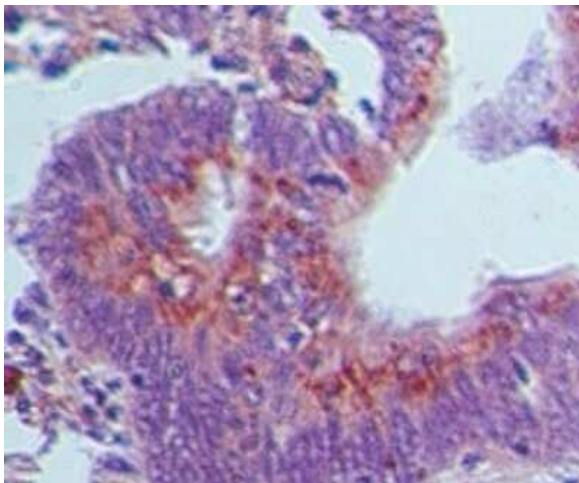
GBP1 or guanylate binding protein 1 is a 68 kDa GTPase and member of the GTPase1 family of molecules (Kunzelman, 2006). GBP1 expression is induced by Interferon g as well as other inflammatory cytokines including IL-1a, IL-1b and TNF-a (Naschberger, 2004). Induction of GBP1 expression by poly I:C, a prototypical TLR3 ligand, as well as GBP1 expression dependency on NF-kB and IFNa response elements implicate TLR pathway involvement (Naschberger, 2004). Inversely proportional expression of GBP1 and MMP-1 as well as other related molecules to adhesion and migration show a clear functional role of GBP1 in suppressing angiogenesis and migration especially of endothelial cells (Guenzi, 2003). As a regulatory molecule it is centrally involved in signal transduction of inflammatory and cell migration networks.

Synonyms:

67kD; 67kDa; guanylate binding protein 1; interferon-inducible; OTTHUMP00000012352

Product images:


Western Blot: GBP1 Antibody TA336885 - Analysis of GBP1 using GBP1 polyclonal antibody. Human HCT-116 lysate in the absence (1) and presence (2) of immunizing peptide and mouse RAW cell lysate (3) probed with GBP1 antibody at 3 ug/ml. Goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Immunohistochemistry-Paraffin: GBP1 Antibody TA336885 - Analysis of GBP1 using GBP1 polyclonal antibody. Human rectum tissue probed with GBP1 antibody at 5 ug/ml.