

## Product datasheet for **TA500659BM**

### GBP2 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4E5]

#### Product data:

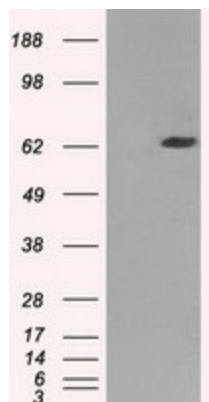
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI4E5   |
| Applications:           | FC, IF, IHC, WB  |
| Recommended Dilution:   | WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100  |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG2a  |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human GBP2 (NP_004111) produced in HEK293T cell.  |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol.  |
| Concentration:          | 0.5 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | HRP  |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 67 kDa   |
| Gene Name:              | guanylate binding protein 2  |
| Database Link:          | <a href="#">NP_004111</a><br><a href="#">Entrez Gene 2634 Human</a><br><a href="#">P32456</a>  |
| Background:             | Interferons are cytokines that have antiviral effects and inhibit tumor cell proliferation. They induce a large number of genes in their target cells, including those coding for the guanylate-binding proteins (GBPs). GBPs are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). The protein encoded by this gene is a GTPase that converts GTP to GDP and GMP. [provided by RefSeq] |



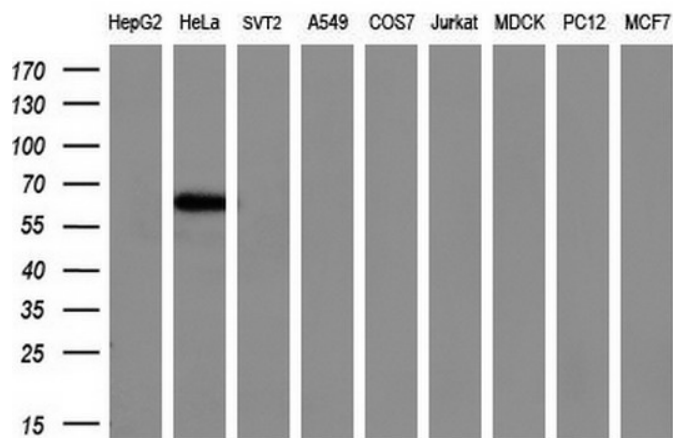
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Synonyms: DKFZp451C2311

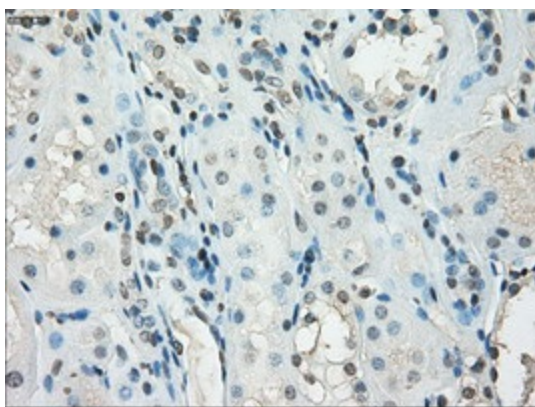
**Product images:**



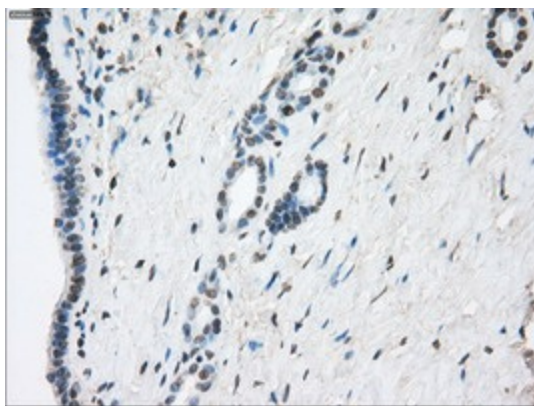
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GBP2 ([RC209939], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GBP2. Positive lysates [LY401329] (100ug) and [LC401329] (20ug) can be purchased separately from OriGene.



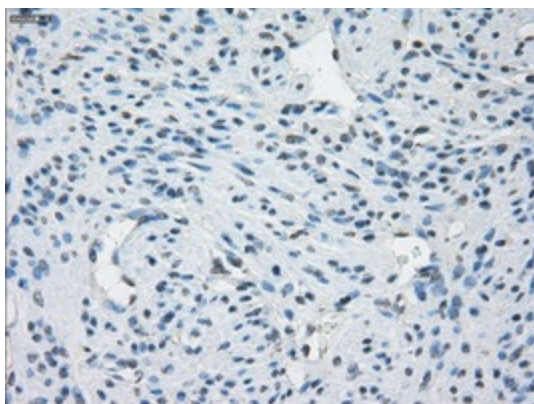
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-GBP2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



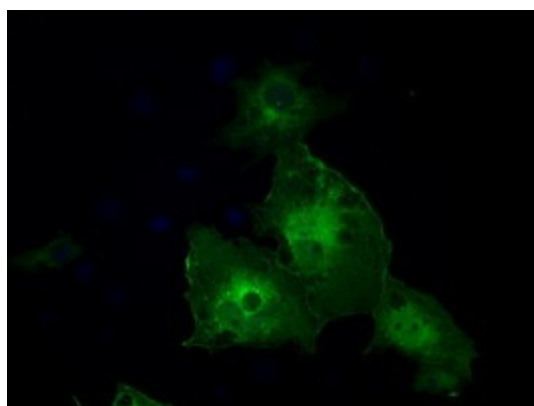
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GBP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500659])



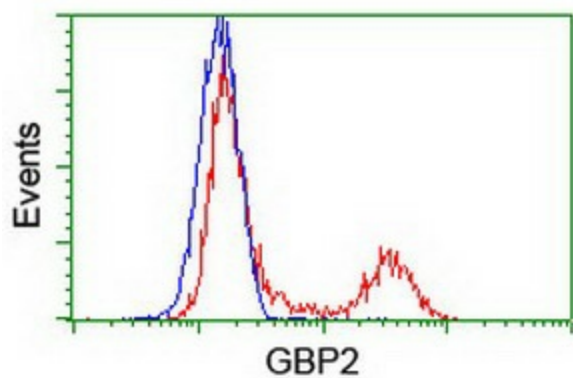
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GBP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500659])



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-GBP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500659])



Anti-GBP2 mouse monoclonal antibody ([TA500659]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GBP2 ([RC209939]).



HEK293T cells transfected with either [RC209939] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-GBP2 antibody ([TA500659]), and then analyzed by flow cytometry.