

## Product datasheet for **CF503562**

### EIF2B3 Mouse Monoclonal Antibody [Clone ID: OTI1H3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H3
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human EIF2B3(NP_065098) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50.1 kDa
Gene Name:	eukaryotic translation initiation factor 2B subunit gamma
Database Link:	<a href="#">NP_065098</a> <a href="#">Entrez Gene 108067</a> <a href="#">MouseEntrez Gene 171145</a> <a href="#">RatEntrez Gene 8891</a> <a href="#">Human Q9NR50</a>



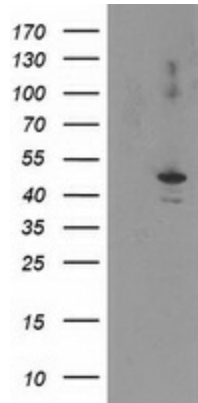
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**Background:**

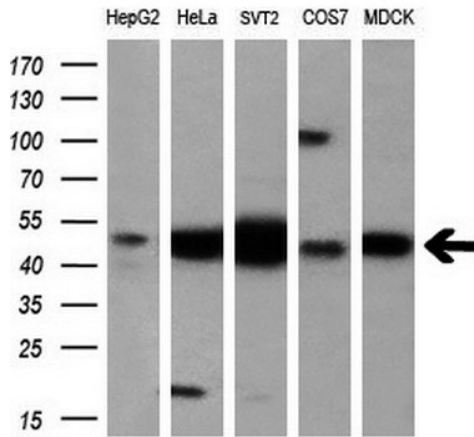
The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this gene have been associated with leukodystrophy with vanishing white matter. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Synonyms:**

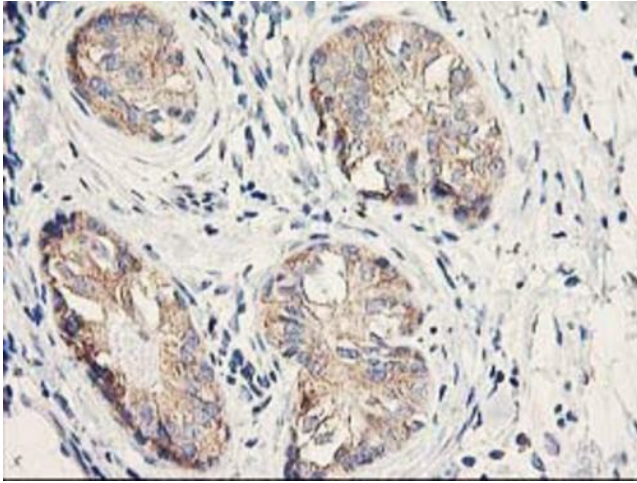
EIF-2B; EIF2Bgamma

**Product images:**


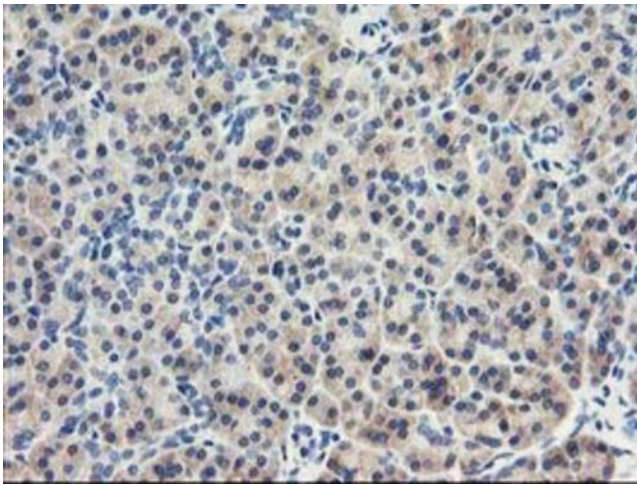
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY EIF2B3 ([RC223570], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-EIF2B3. Positive lysates [LY412535] (100ug) and [LC412535] (20ug) can be purchased separately from OriGene.



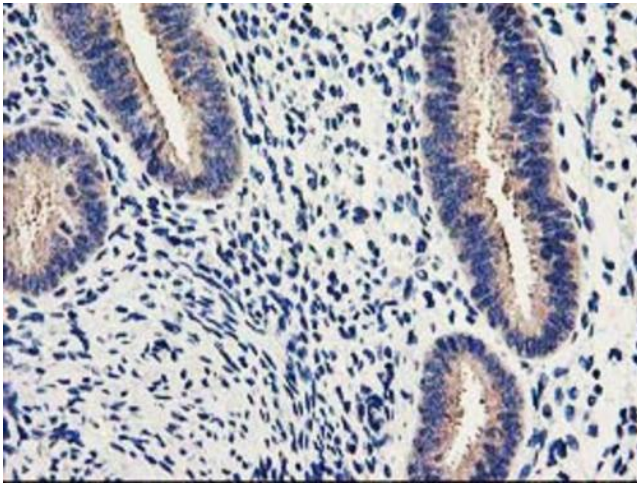
Western blot analysis of extracts (10ug) from 5 different cell lines by using anti-EIF2B3 monoclonal antibody (1:200).



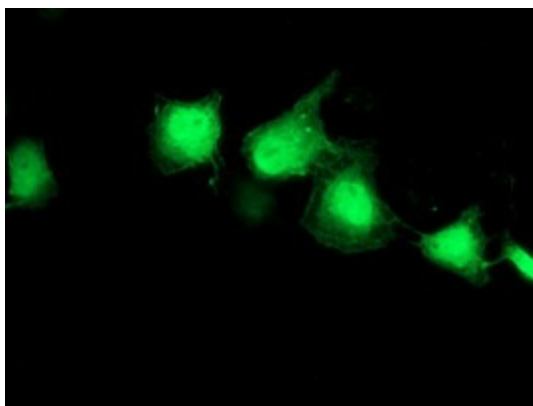
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-EIF2B3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503562])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-EIF2B3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503562])



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-EIF2B3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503562])



Anti-EIF2B3 mouse monoclonal antibody ([TA503562]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY EIF2B3 ([RC223570]).