

# eIF2b alpha Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full length human EIF2B1 Recombinant protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546468

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:20,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

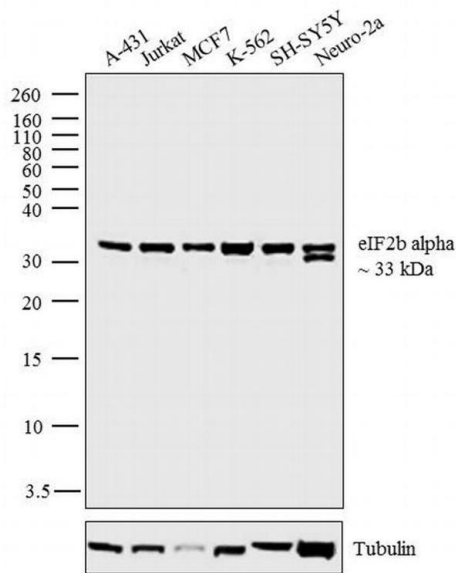
## Product Specific Information

Recommended positive controls: 293T, A431, Jurkat, Raji.

Predicted reactivity: Mouse (94%), Rat (92%), Bovine (95%).

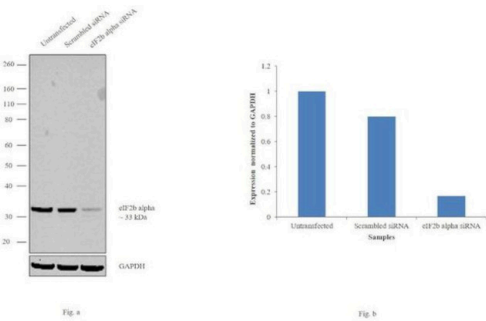
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For eIF2b alpha Polyclonal Antibody



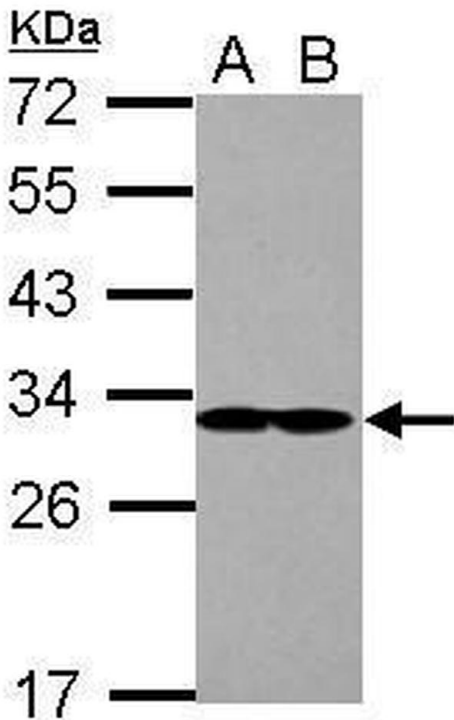
eIF2b alpha Antibody (PA5-28992) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A-431 (Lane 1), Jurkat (Lane 2), MCF7 (Lane 3), K-562 (Lane 4), SH-SY5Y (Lane 5) and Neuro-2a (Lane 6). The blot was probed with Anti-eIF2b alpha Polyclonal Antibody (Product # PA5-28992, 1:5,000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 33 kDa band corresponding to eIF2b alpha was observed across the cell lines tested.



eIF2b alpha Antibody (PA5-28992)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A431 cells were transfected with EIF2B alpha siRNA and reduction of signal was observed in Western Blot using EIF2B alpha Polyclonal Antibody (Product # PA5-28992). {KD}



eIF2b alpha Antibody (PA5-28992) in WB

Western Blot using eIF2b alpha Polyclonal Antibody (Product # PA5-28992). Sample (30 µg of whole cell lysate). Lane A: A431. Lane B: Jurkat. 12% SDS PAGE. eIF2b alpha Polyclonal Antibody (Product # PA5-28992) diluted at 1:10,000.

1 Reference

Western Blot (1)

RNA (New York, N.Y.)	Year 2018
<b><i>EIF2B2</i> mutations in vanishing white matter disease hypersuppress translation and delay recovery during the integrated stress response.</b>	Species Human
"Published figure using eIF2b alpha polyclonal antibody (Product # PA5-28992) in Western Blot"	
Authors: Moon SL,Parker R	

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