

# eIF6 Polyclonal Antibody

## Product Details

Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 38 and 245 of Human EIF6
Form	Liquid
Concentration	1.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2548540

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:10,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

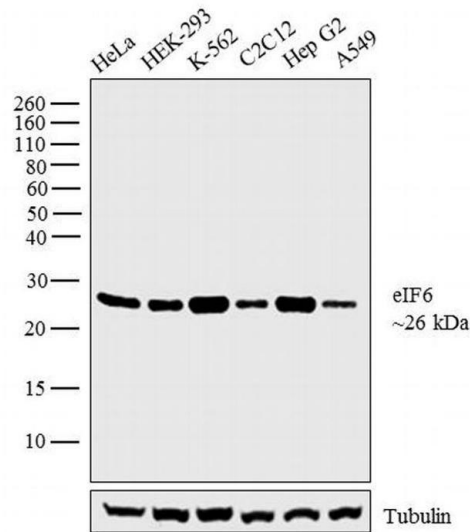
## Product Specific Information

Recommended positive controls: A549, HeLa, HepG2, HCT116.

Predicted reactivity: Mouse (99%), Rat (99%), Zebrafish (92%), Drosophila (82%), Xenopus laevis (91%), Pig (98%), Chicken (94%), Sheep (99%), Bovine (97%).

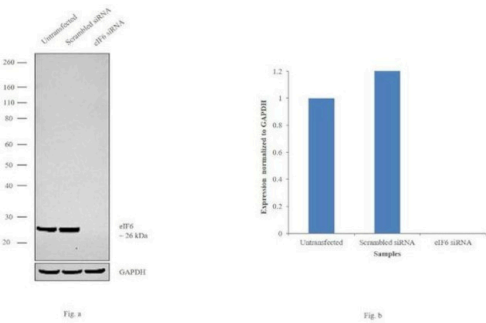
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For eIF6 Polyclonal Antibody



eIF6 Antibody (PA5-31066) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), HEK-293 (Lane 2), K-562 (Lane 3), C2C12 (Lane 4), Hep G2 (Lane 5) and A549 (Lane 6). The blot was probed with Anti-eIF6 Polyclonal Antibody (Product # PA5-31066, 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 26 kDa band corresponding to eIF6 was observed across the cell lines tested.

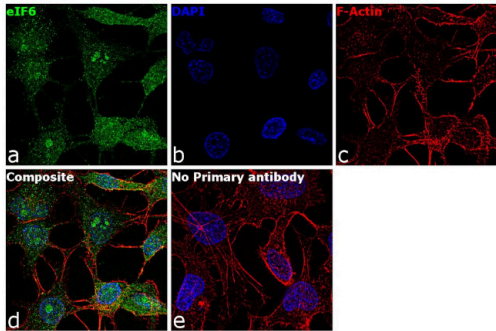


eIF6 Antibody (PA5-31066)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with eIF6 siRNA and reduction of signal was observed in Western Blot using eIF6 Polyclonal Antibody (Product # PA5-31066). {KD}

eIF6 Antibody (PA5-31066) in ICC/IF

Immunofluorescence analysis of eIF6 was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with eIF6 Rabbit Polyclonal Antibody(Product # PA5-31066) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Nucleus, Nucleolus and cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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Western Blot (1)

Journal of cancer research and clinical oncology	Year 2019
<b>Eukaryotic translation initiation factor 6 overexpression plays a major role in the translational control of gallbladder cancer.</b>	
"Published figure using eIF6 polyclonal antibody (Product # PA5-31066) in Western Blot"	
Authors: Golob-Schwarzl N,Wodlej C,Kleinegger F,Gogg-Kamerer M,Birkl-Toeglhofer AM,Petzold J,Aigelsreiter A, Thalhammer M,Park YN,Haybaeck J	

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