

Datasheet for ABIN5708157

Recombinant anti-EIF2A antibody (pSer51)



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2 Images

Overview

Quantity:	100 µL
Target:	EIF2A
Binding Specificity:	pSer51
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A peptide corresponding the the amino acids surrounding phosphorylated serine 51 was used as the immunogen for the recombinant phospho-EIF2A antibody.
Clone:	RM298
Isotype:	IgG
Cross-Reactivity (Details):	Expected species reactivity: Mouse,Rat
Purification:	Purified

Target Details

Target:	EIF2A
Alternative Name:	EIF2A (EIF2A Products)

Target Details

Background: This antibody reacts to human eIF-2α (Eukaryotic translation initiation factor 2 subunit α) only when phosphorylated at Ser51. There is no cross-reactivity to eIF-2α without phosphorylation at Ser51.

UniProt: [P05198](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [ER-Nucleus Signaling](#), [Hepatitis C](#), [Methionine Biosynthetic Process](#), [Ribosome Assembly](#)

Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the recombinant phospho-EIF2A antibody may be required due to differences in protocols and secondary/substrate sensitivity. Immunohistochemistry (FFPE): 1:100-1:200, Western Blot: 1:100-1:200

Restrictions: For Research Use only

Handling

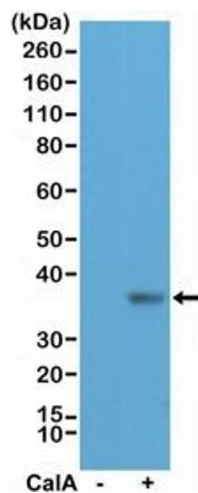
Buffer: Antibody in PBS with 50 % Glycerol, 1 % BSA and 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

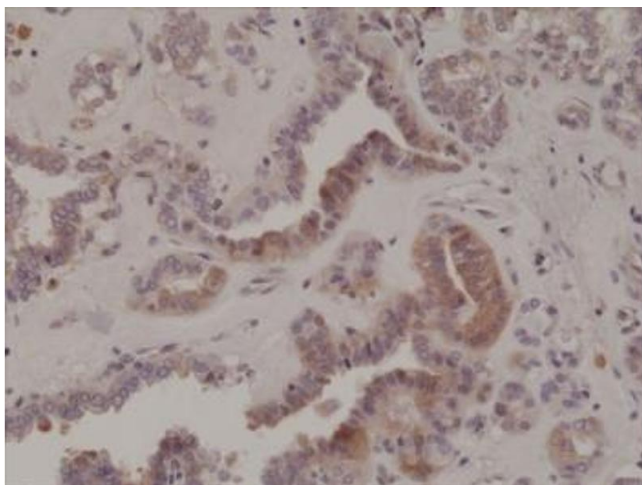
Storage: -20 °C

Storage Comment: Store the recombinant phospho-EIF2A antibody at -20°C.



Western Blotting

Image 1. Western blot testing of lysate from human HeLa cells, untreated (-) or treated (+) with Calyculin A (CalA), with recombinant phospho-EIF2A antibody at 1:200 dilution. Predicted molecular weight ~36 kDa.



Immunohistochemistry

Image 2. IHC testing of formalin fixed and paraffin embedded human thyroid cancer tissue with recombinant phospho-EIF2A antibody at 1:200 dilution. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.