

# Product Datasheet

## eIF2 alpha/EIF2S1 [p Ser51] Antibody (RM298) NBP2-61573

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-61573**

eIF2 alpha/EIF2S1 [p Ser51] Antibody (RM298)

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RM298
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	50% Glycerol/PBS, 1% BSA

Product Description	
Description	Novus Biologicals Rabbit eIF2 alpha/EIF2S1 [p Ser51] Antibody (RM298) (NBP2-61573) is a recombinant monoclonal antibody validated for use in IHC and WB. Anti-eIF2 alpha/EIF2S1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1965
Gene Symbol	EIF2S1
Species	Human, Porcine
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 29449538). Use in Porcine reported in scientific literature (PMID:32184774). This antibody may also react to mouse or rat phospho-eIF2 alpha/EIF2S1 [Ser51].
Specificity/Sensitivity	This antibody reacts to human eIF2 alpha/EIF2S1 only when phosphorylated at Ser51. There is no cross-reactivity to eIF2 alpha/EIF2S1 without phosphorylation at Ser51.
Immunogen	A phospho-peptide corresponding to Human eIF2 alpha/EIF2S1 [p Ser51]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100 - 1:200. Use reported in scientific literature (PMID: 29449538), Immunohistochemistry 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100-1:200

**Publications**

Lv J, Jiang Y, Feng Q et al. Porcine Circovirus Type 2 ORF5 Protein Induces Autophagy to Promote Viral Replication via the PERK-eIF2 $\alpha$ -ATF4 and mTOR-ERK1/2-AMPK Signaling Pathways in PK-15 Cells. *ront Microbiol.* 2020-02-28 [PMID: 32184774] (WB, Porcine)

Krishnamoorthy J, Tenkerian C, Gupta J, Ghaddar N. Downregulation of PERK activity and eIF2 $\alpha$  serine 51 phosphorylation by mTOR complex 1 elicits pro-oxidant and pro-death effects in tuberous sclerosis-deficient cells. *Cell Death Dis.* 2018-02-15 [PMID: 29449538] (WB, Human)





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### **Products Related to NBP2-61573**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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