

Phospho-HDAC5 (Ser498) Polyclonal Antibody

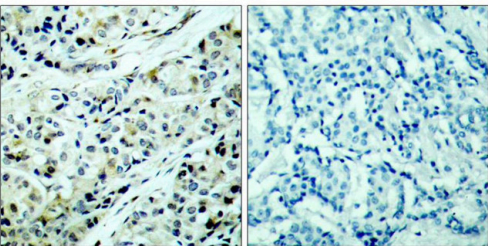
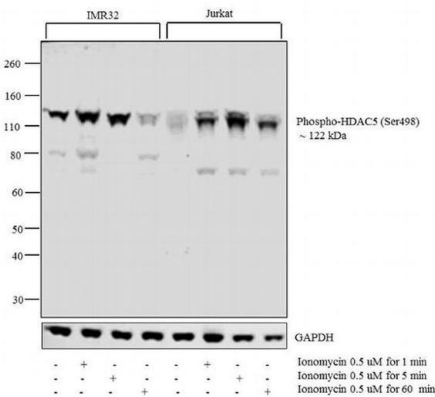
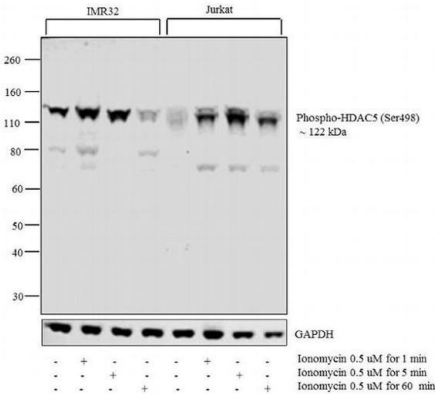
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Peptide sequence around phosphorylation site of serine 498 (T-Q-S(p)-S-P) derived from Human HDAC5/7.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2554387

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	-

Product Specific Information

A suggested positive control for Western blot is 293 cells; suggested positive control for IHC is human breast carcinoma. The homology between synthetic peptide sequence and rat is 100% .

Product Images For Phospho-HDAC5 (Ser498) Polyclonal Antibody



Phospho-HDAC5 (Ser498) Antibody (PA5-37779)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of Phospho-HDAC5 (Ser259) using Phospho-HDAC5 (Ser498) Polyclonal Antibody (Product # PA5-37779) shows increased expression of Phospho-HDAC5 (Ser498) in IMR32 and Jurkat cells upon Ionomycin treatment at 1 and 5 minutes and reduced expression at 60 minutes.

Phospho-HDAC5 (Ser498) Antibody (PA5-37779) in WB

Western blot analysis was performed on modified whole cell extracts (1% SDS) (30 µg lysate) of IMR32 (Lane 1), IMR32 treated with Ionomycin (0.5 uM for 1 min) (Lane 2), IMR32 treated with Ionomycin (0.5 uM for 5 min) (Lane 3), IMR32 treated with Ionomycin (0.5 uM for 60 min) (Lane 4), Jurkat (Lane 5), Jurkat treated with Ionomycin (0.5 uM for 1 min) (Lane 6), Jurkat treated with Ionomycin (0.5 uM for 5 min) (Lane 7), Jurkat treated with Ionomycin (0.5 uM for 60 min) (Lane 8). The blot was probed with Anti-Phospho-HDAC5 (Ser498) Polyclonal Antibody (Product # PA5-37779, 1:1,000 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 122 kDa band corresponding to Phospho-HDAC5 (Ser259) was observed across the cell lines tested and showed treatment dependent difference in RAW 264.7 cell line upon Ionomycin treatment with varying time points.

Phospho-HDAC5 (Ser498) Antibody (PA5-37779) in IHC (P)

Immunohistochemical analysis of Phospho-HDAC5 (Ser498) in paraffin-embedded Human breast carcinoma tissue using Phospho-HDAC5 (Ser498) Polyclonal Antibody (Product # PA5-37779) (left) or the same antibody preincubated with blocking peptide (right).

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