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Product Data Sheet

Anti-SPHK2 (Phospho-T614) Antibody

Catalog #	Source	Reactivity	Applications
CPA4832	Rabbit	H, M	WB, IH

Description	Rabbit polyclonal antibody to SPHK2 (Phospho-T614)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T614 of human SPHK2 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of SPHK2 protein only when phosphorylated at T614.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)
Gene Symbol	SPHK2
Alternative Names	Sphingosine kinase 2; SK 2; SPK 2
Entrez Gene	56848 (Human); 56632 (Mouse)
SwissProt	Q9NRA0 (Human); Q9JIA7 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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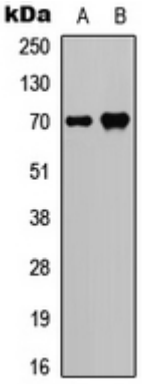
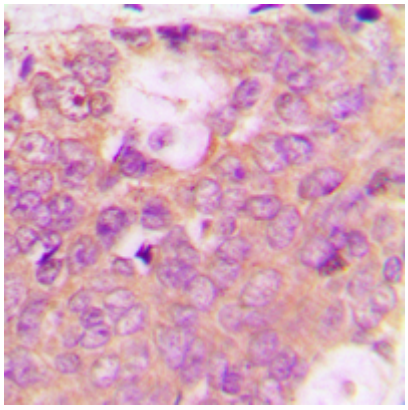


Western blot analysis of SPHK2 (Phospho-T614) expression in HEK293T (A), HepG2 (B) whole cell lysates. (Predicted band size: 69 kD; Observed band size: 70 kD)



Immunohistochemical analysis of SPHK2 (Phospho-T614) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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