Anti- SPHK2 (Phospho-Thr614) Polyclonal Antibody

Catalog No.	Size
A100371-01	50 µl
A100371-02	100 µl

Specificity	Anti- SPHK2 (Phospho-Thr614) (human mouse rat)
Source	Rabbit Polyclonal
Application	ELISA IHC
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: Q9NRA0

Other Names: EC 2.7.1.-; EC 2.7.1.91; SK 2; Sphingosine kinase 2; SPK 2

Specificity and Sensitivity

SPHK2 (Phospho-Thr614) antibody detects endogenous levels of SPHK2 only when phosphorylated at threonine 614.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human SPHK2 around the phosphorylation site of threonine 614 (P-L-T^{P}-P-R).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

IHC: 1:50~1:100 ELISA: 1:5000

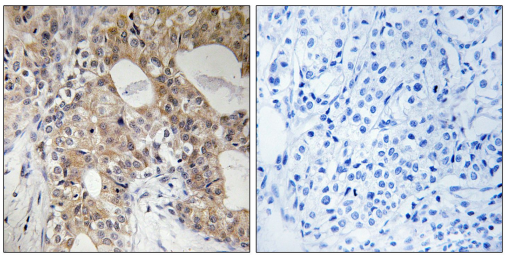
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

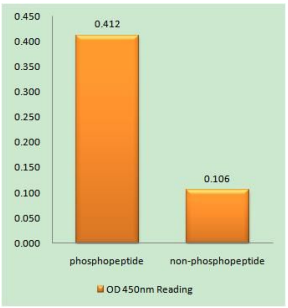
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using SPHK2 (Phospho-Thr614) antibody.



Nibrin (Phospho-Ser278) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.

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