

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human STK3 in direct ELISAs and Western blots.
Source	Monoclonal Rabbit IgG Clone # 2072A
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human STK3 Ala339-Asp456 Accession # Q13188
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MST2 (mammalian sterile twenty-like 2; also known as STK3 and Krs-1) is a 58 kDa member of the GCKII group of the STE20 subfamily of the STE Ser/Thr kinase protein family. In human, MST2 is 491 amino acids (aa) in length. It contains one kinase domain (aa 27-278), two NESs (aa 361-371 and 438-447) and coiled-coil domains (aa 287-328 and 442-475), and one NLS (aa 473-487). A caspase-cleavage site exists between Asp322-Ser323. MST2 is normally inactive in the cytoplasm bound to Raf-1. Cell activation induces Raf-1:MST2 dissociation, MST2 cleavage, and N-terminal translocation to the nucleus. Human MST2 is 99% and 96% aa identical to canine and mouse MST2, respectively.

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