Human HIPK1 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5617G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human HIPK1 in Western blots. Approximately 15% cross reactivity to HIPK2 is observed in Western blot.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human HIPK1 Gln701-Ser900 Accession # Q86Z02
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

HIPK1 (Homeodomain-interacting protein kinase 1) is a 120-130 kDa member of the HIPK subfamily, CMGC Ser/Thr family of protein kinases. It is ubiquitously expressed, and plays a role in transcriptional regulation and signal transduction. Human HIPK1 is 1210 amino acids (aa) in length. It contains a protein kinase domain (aa 190-518) that phosphorylates itself as well as Daxx and p53, an interaction region between aa 581-847, a PEST sequence (aa 889-973) and a YH domain (aa 1066-1209) that recruits CtBP. Four different splice variants have been identified. Over aa 701-900, human and mouse HIPK1 share 97% aa identity.

PRODUCT SPECIFIC NOTICES

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