

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human HGK in Western blots. |
| Source | Polyclonal Goat IgG |
| Purification | Antigen Affinity-purified |
| Immunogen | <i>E. coli</i> -derived recombinant human HGK Ser686-Val820 Accession # O95819-4 |
| Conjugate | Alexa Fluor Plus 405 Excitation Wavelength: 404 nm Emission Wavelength: 455 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and 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.

DATA

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

HGK (Hepatocyte kinase-like/Germinal center like-kinase Kinase; also MAP4K4) is a 140 kDa member of the MSN subfamily, MAP4K family of molecules. It is ubiquitously expressed, and intimately associated with TNF α signaling. HGK is activated by TNF-induced c-Jun activation, and blocks both PPAR γ expression and glucose-stimulated insulin secretion. Human HGK is 1239 amino acids (aa) in length (Accession # O95819) and contains one protein kinase domain (aa 25-289) and a CHN region (aa 926-1213). There are multiple splice variants. The antibody product offered by R&D Systems uses a 130 kDa, 1166 aa isoform as immunogen. It shows a deletion of aa 495-525 and 570-623, plus an eight aa insertion after His1112, and a GEV insertion after Ala740.

PRODUCT SPECIFIC NOTICES

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