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Datasheet for ABIN2745550
anti-PAG1 antibody (N-Term)

Overview

Quantity:	100 µg
Target:	PAG1
Binding Specificity:	AA 412-424, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide corresponding to aa 412-424 of the N-terminal rat PAG including an additional N-terminal Cys residue.
Specificity:	Recognizes mouse, rat and human PAG/Cbp.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Antigen affinity purified.

Target Details

Target:	PAG1
Alternative Name:	PAG/Cbp (PAG1 Products)
Background:	PAG is a ubiquitously expressed transmembrane adapter protein. Depending on its phosphorylation status, it appears as diffuse band(s) of 80-90 kDa by SDS-PAGE, with phosphorylation leading to a shift towards a higher apparent molecular mass. Tyrosine

Target Details

phosphorylated PAG recruits Csk to the membrane and negatively regulates Src family kinases via Csk-mediated phosphorylation. Upon T cell receptor engagement, PAG becomes dephosphorylated, thereby displacing Csk from the membrane and enabling the activation of the Src kinases Fyn and Lck. PAG negatively regulates TCR (T cell antigen receptor)-mediated signaling in T cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. It promotes CSK activation and recruitment to lipid rafts, which results in LCK inhibition. It inhibits immunological synapse formation by preventing dynamic arrangement of lipid raft proteins and may be involved in cell adhesion signaling.

UniProt: [Q9JM80](#)

Pathways: [p53 Signaling](#), [TCR Signaling](#), [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Positive Control for Western Blot: Use 1.5x10⁶ total splenocytes per lane.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months