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Datasheet for ABIN1422367
anti-PTPLA antibody (Cy5.5)

Overview

Quantity:	100 µL
Target:	PTPLA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPLA antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Brd4/CAP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PTPLA
Alternative Name:	CAP (PTPLA Products)
Background:	Synonyms: Brd4, BRD4_HUMAN, bromodomain containing protein 4, Bromodomain-containing protein 4, CAP, chromosome associated protein, HUNK1, Protein HUNK1. Background: Brd4 belongs to the BET family, a group of structurally related proteins containing two bromodomains. Through these two domains, Brd4 associates with mitotic chromosomes

Target Details

and its expression correlates with cell growth. Expression of Brd4 inhibits cell cycle progression from G(1) to S, due to binding to the largest subunit of replication factor C (RFC) to prevent DNA elongation. Altered Brd4 function correlates with poorly differentiated carcinoma, with aggressive phenotype and a highly lethal outcome.

Gene ID: 23476

UniProt: [O60885](#)

Pathways: [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months