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Datasheet for ABIN4998991  
**anti-PTPLA antibody (Alexa Fluor 680)**

### Overview

Quantity:	100 µL
Target:	PTPLA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPLA antibody is conjugated to Alexa Fluor 680
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 ( <a href="#">PTPLA Products</a> )
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

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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

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

Restrictions: For Research Use only

## Handling

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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