

Datasheet for ABIN7269448

**anti-PCBP1 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	PCBP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PCBP1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	hnRNP E1/PCBP1 Rabbit mAb
Immunogen:	Recombinant protein of human hnRNP E1/hnRNP E1/PCBP1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	PCBP1
Alternative Name:	PCBP1 ( <a href="#">PCBP1 Products</a> )
Background:	This intronless gene is thought to have been generated by retrotransposition of a fully

## Target Details

processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNPK corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA. The encoded protein is also suggested to play a part in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability.,PCBP1; HEL-S-85; HNRPE1; HNRPX; hnRNP-E1; hnRNP-X; poly(rC)-binding protein 1,Epigenetics & Nuclear Signaling,RNA Binding,,PCBP1

Molecular Weight: 40kDa

Gene ID: 5093

UniProt: [Q15365](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

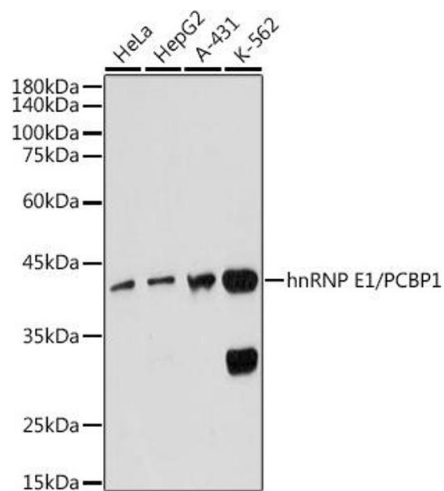
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

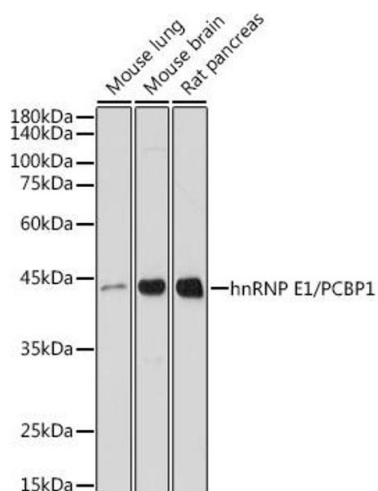
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using hnRNP E1/hnRNP E1/PCBP1 antibody (ABIN7269448) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using hnRNP E1/hnRNP E1/PCBP1 antibody (ABIN7269448) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.