

Recombinant

DGRmAb®

## ACP1 (DGR15835) Rabbit mAb (PBS Only)

db16685-PBS

Package : 100µg

**Product Name** : ACP1 (DGR15835) Rabbit mAb (PBS Only)**Cat.No.:** db16685-PBS**Synonyms** : HAAP; LMWPTP; LMW-PTP**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**Host species** : Rabbit**Background**

The product of this gene belongs to the phosphotyrosine protein phosphatase family of proteins. It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophosphoric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three common alleles segregating at the corresponding locus give rise to six phenotypes. Each allele appears to encode at least two electrophoretically different isozymes, Bf and Bs, which are produced in allele-specific ratios. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Aug 2008]

**Immunogen**

A synthetic peptide of human ACP1

**Gene ID**

52

**Swiss Prot**

P24666

**Synonyms**

HAAP; LMWPTP; LMW-PTP

**Reactivity**

Human

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**WB: 1:1000  
IHC-P: 1:200-1:1000  
ICC/IF: 1:100  
FC: 1:20-1:50  
IP: 1:20-1:50**Calculated MW**

18 kDa

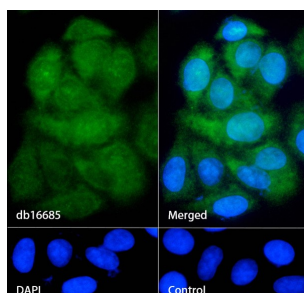
**Observed MW**

18 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR15835
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HepG2 cells labelling ACP1 with db16685.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db16685 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.