

For Research Use Only

# MACROD1 Recombinant antibody, PBS Only

Catalog Number: 84398-3-PBS



## Basic Information

Catalog Number: 84398-3-PBS	GenBank Accession Number: BC008316	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 28992	CloneNo.: 241506C1
Source: Rabbit	UNIPROT ID: Q9BQ69	
Isotype: IgG	Full Name: MACRO domain containing 1	
Immunogen Catalog Number: AG34080	Calculated MW: 325 aa, 36 kDa	
	Observed MW: 28 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
human

## Background Information

MACRO domain containing 1 (MacroD1) is also named as LRP16. MacroD1 is an ADP-ribosylhydrolase 1 that is highly enriched in mitochondria, participating in the pathogenesis of cardiovascular diseases (PMID: 38459256). MacroD1 was recruited to the sites of DNA damage via recognition of ADP-ribosylation at DNA lesions (PMID: 32683309). MacroD1 is highly expressed in human and mouse skeletal muscle (PMID: 29410655). MacroD1 may play an important role in carcinogenesis and/or progression of hormone-dependent cancers by feed-forward mechanism that activates ESR1 transactivation (PMID: 17893710, PMID: 17914104). MacroD1 could be involved in invasive growth by down-regulating CDH1 in endometrial cancer cells (PMID: 17893710).

## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

For technical support and original validation data for this product please contact:

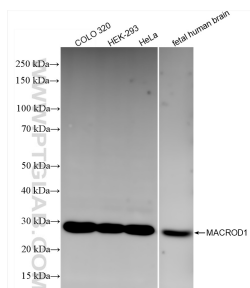
T: 4006900926

E: Proteintech-CN@ptglab.com

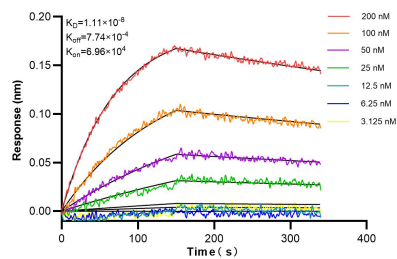
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84398-3-RR (MACROD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84398-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84398-3-RR against Human MACROD1 were performed. The affinity constant is 11.1 nM.