

For Research Use Only

MACROD1 Recombinant antibody

Catalog Number: 84398-3-RR



Basic Information

Catalog Number: 84398-3-RR	GenBank Accession Number: BC008316	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 28992	CloneNo.: 241506C1
Source: Rabbit	UNIPROT ID: Q9BQ69	Recommended Dilutions: WB 1:2000-1:10000
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, ELISA	Positive Controls: WB : COLO 320 cells, HEK-293 cells, HeLa cells, fetal human brain tissue
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

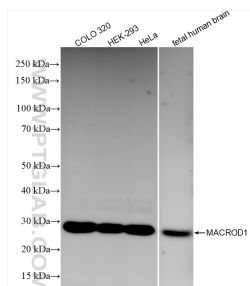
T: 4006900926

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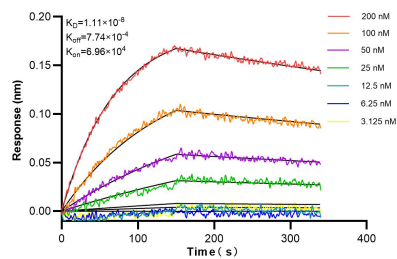
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Selected Validation Data



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.



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