

For Research Use Only

MAZ Recombinant antibody

Catalog Number: 82852-3-RR



Basic Information

Catalog Number: 82852-3-RR	GenBank Accession Number: BC041629	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 4150	CloneNo.: 1D5
Source: Rabbit	UNIPROT ID: P56270	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: MYC-associated zinc finger protein (purine-binding transcription factor)	
Immunogen Catalog Number: AG15200	Calculated MW: 477 aa, 49 kDa Observed MW: 49-51 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	IHC : human prostate cancer tissue, IF/ICC : U2OS cells, HeLa cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Myc-associated zinc-finger protein (MAZ) is a transcription factor with dual roles in transcription initiation and termination. MAZ can activate the expression of a variety of genes such as the c-Myc, insulin, VEGF, and RAS gene family and the serotonin 1A receptor. MAZ plays a critical role in the progression of various cancers including breast, prostate, liver, and so on. Deregulation of MAZ expression is associated with the progression of pancreatic ductal adenocarcinoma (PDAC)(PMID: 29414775).

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:

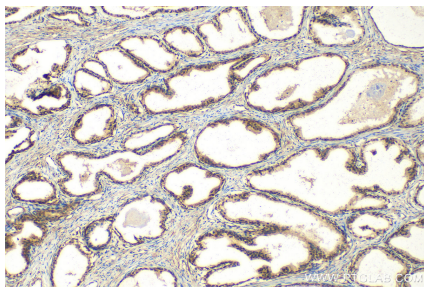
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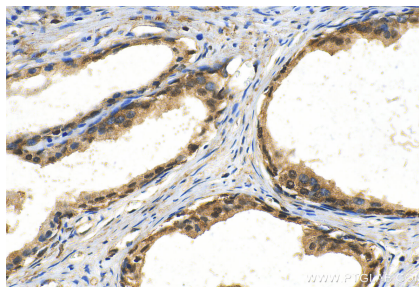
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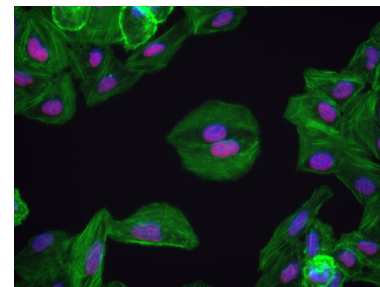
Selected Validation Data



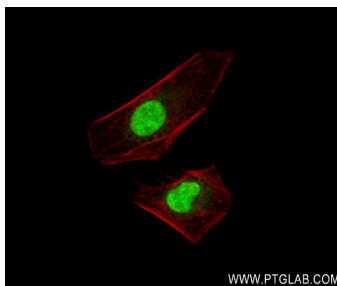
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82852-3-RR (MAZ antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



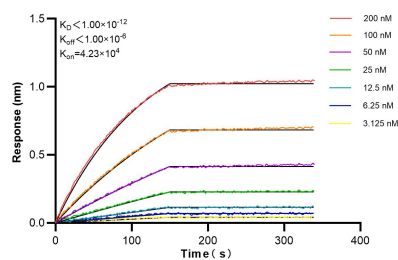
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82852-3-RR (MAZ antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MAZ antibody (82852-3-RR, Clone: 1D5) at dilution of 1:950 and Multi-rAb CoraLite ® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MAZ antibody (82852-3-RR, Clone: 1D5) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 82852-3-RR against Human MAZ were performed. The affinity constant is below 1 pM.