

For Research Use Only

# MFG-E8 Polyclonal antibody

Catalog Number: 25951-1-AP

2 Publications



## Basic Information

Catalog Number:

25951-1-AP

Size:

280 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13621

GenBank Accession Number:

BC003610

GeneID (NCBI):

4240

UNIPROT ID:

Q08431

Full Name:

milk fat globule-EGF factor 8 protein

Calculated MW:

43 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : Jurkat cells, human placenta tissue

IHC : human skin cancer tissue,

## Background Information

Milk fat globule-epidermal growth factor-factor 8 (MFG-E8), also known as Lactadherin, is a multifunctional secreted glycoprotein exhibiting versatile functions in cell physiology affecting health and diseases. It plays roles in clearing apoptotic cells, anti-inflammatory, wound healing, arterial remodeling, angiogenesis, enhancing tumorigenicity, and cancer metastasis (PMID: 23972256). MFG-E8 consists of two-repeated EGF-like domains, a mucin-like domain, and two-repeated discoidin-like domains (C-domains), and contains an integrin-binding motif (RGD sequence) in the EGF-like domain (PMID: 11856354). It shows ubiquitous patterns of expression in various types of cells and tissues. Altered expression of MFG-E8 causes disruptions of homeostasis and is correlated with several diseases (PMID: 27429513).

## Notable Publications

Author	Pubmed ID	Journal	Application
Weiming Ma	39725663	J Cell Mol Med	WB
Yang Li	38192793	Heliyon	IHC

## 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:

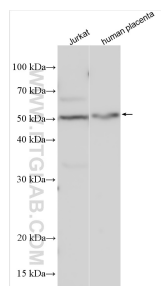
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

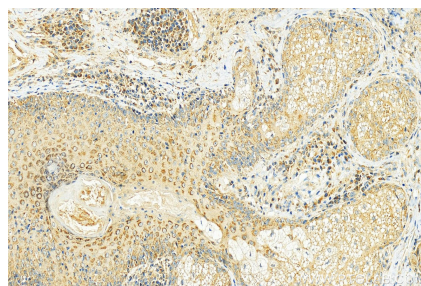
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25951-1-AP (MFG-E8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 25951-1-AP (MFG-E8 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).