

For Research Use Only

# EDIL3 Polyclonal antibody

Catalog Number: 12580-1-AP

Featured Product

18 Publications



## Basic Information

**Catalog Number:**

12580-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3274

**GenBank Accession Number:**

BC030828

**GeneID (NCBI):**

10085

**UNIPROT ID:**

O43854

**Full Name:**

EGF-like repeats and discoidin I-like domains 3

**Calculated MW:**

52 kDa

**Observed MW:**

52-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IHC 1:50-1:500

IF 1:50-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IF, IHC, CoIP, ELISA

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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:** HEK-293 cells, COLO 320 cells, mouse brain tissue, HepG2 cells, mouse lung tissue, human lung tissue, HeLa cells, K-562 cells

**IHC:** human pancreas cancer tissue, human lung cancer tissue, human liver cancer tissue

**IF:** HeLa cells,

## Background Information

EGF-like repeats and discoidin I-like domain-containing protein 3 (EDIL3), also named as DEL1 or integrin-binding protein DEL1, is a 52-kDa extracellular matrix protein produced by endothelial cells in embryos (PMID: 9420328). It is composed of three EGF repeats and two discoidin I-like domains. The second EGF repeat contains an RGD motif. EDIL3 promotes adhesion of endothelial cells through interaction with the alpha-v/beta-3 integrin receptor. It may be involved in vascular remodeling during angiogenesis (PMID: 12840057; 14981004). EDIL3 has also been reported to be an endogenous inhibitor of inflammatory cell recruitment by interfering with the integrin LFA-1-dependent leukocyte-endothelial adhesion (PMID: 19008446).

## Notable Publications

Author	Pubmed ID	Journal	Application
Tomoki Maekawa	26374165	Nat Commun	ELISA
Won-Young Kim	31506547	Sci Rep	
Ming-Xuan Feng	25273699	Mol Cancer	WB, 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:

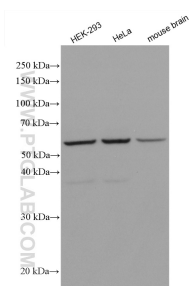
T: 4006900926

E: Proteintech-CN@ptglab.com

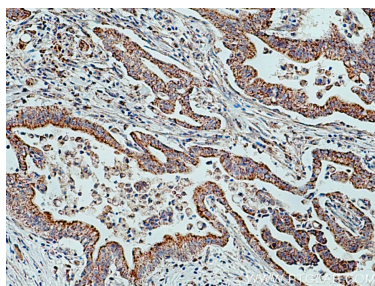
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

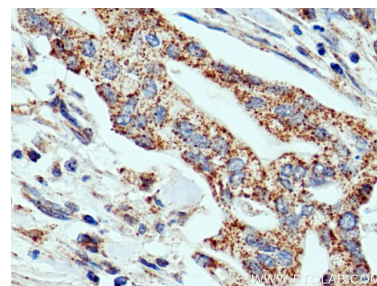
## Selected Validation Data



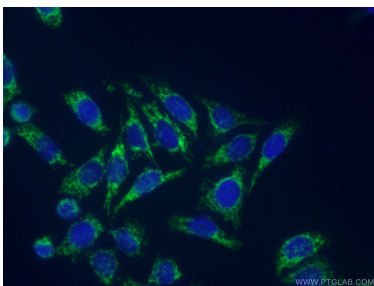
Various lysates were subjected to SDS PAGE followed by western blot with 12580-1-AP (EDIL3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12580-1-AP (EDIL3 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 pancreas cancer tissue slide using 12580-1-AP (EDIL3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12580-1-AP (EDIL3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).