EDIL3
Polyclonal ANTIBODY
Catalog Number: 12580-1-AP

Basic Information
- Catalog Number: 12580-1-AP
- Size: 43 μg/150 μl
- Source: Rabbit
- Isotype: IgG
- Purification Method: Antigen affinity purification
- Immune Gen Catalog Number: A03274

Recommended Dilutions:
- WB: 1:1000-1:4000
- IHC: 1:20-1:200
- IF: 1:50-1:500

Applications
- Tested Applications: IF, IHC, WB, ELISA
- Cited Applications: ELISA, IF, IHC, WB
- Species Specificity: human, mouse
- Cited Species: human, mouse

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

Positive Controls:
- WB: human lung tissue; COLO 320 cells, HEK-293 cells, HeLa cells, HepG2 cells, K-562 cells, mouse brain tissue, mouse lung tissue
- IHC: human pancreas cancer tissue; human liver cancer tissue, human lung 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
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<th>Author</th>
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<tr>
<td>Tomoki Maekawa</td>
<td>26374165</td>
<td>Nat Commun</td>
<td>ELISA</td>
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<tr>
<td>Ming Xuan Feng</td>
<td>25273699</td>
<td>Mol Cancer</td>
<td>WB, IHC</td>
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<tr>
<td>Sin Hye Ch</td>
<td>29153079</td>
<td>PLoS One</td>
<td>WB</td>
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Storage
- Store at -20°C. Stable for one year after shipment.
- Storage Buffer: PBS with 0.1% 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
- E: proteintech@ptglab.com
- W: ptglab.com

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human lung tissue were subjected to SDS PAGE followed by western blot with 12580-1-AP (EDIL3 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human pancreas cancer using 12580-1-AP (EDIL3 antibody) at dilution of 1:100 (under 10x lens).

Immunohistochemical of paraffin-embedded human pancreas cancer using 12580-1-AP (EDIL3 antibody) at dilution of 1:100 (under 40x lens).

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).