**EDIL3 Polyclonal antibody**

**Catalog Number:** 12580-1-AP  
**Featured Product**  
**15 Publications**

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**Basic Information**

- **Catalog Number:** 12580-1-AP
- **Size:** 150μL; Concentration: 287 μg/ml by Bradford method using BSA as the standard.
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG3274
- **GenBank Accession Number:** BCO030828
- **GeneID (NCBI):** 10085
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:**
  - **WB:** 1:1000-1:4000
  - **IHC:** 1:50-1:500
  - **IF:** 1:50-1:200

**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 lung cancer tissue, human liver cancer tissue
- **IF:** HeLa cells,

**Applications**

- **Tested Applications:** IF, IHC, WB, ELISA
- **Cited Applications:** CoIP, ELISA, IF, IHC, WB

**Species Specificity:** human, mouse, rat

**Cited Species:** human, mouse

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**Background Information**

EGF-like repeats and discoidin I-like domain-containing protein 3 (EDIL3), also named as DEL1 or integrin-biding 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).

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**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>
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<td>Won-Young Kim</td>
<td>31506547</td>
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<td>Ming-Xuan Feng</td>
<td>25273699</td>
<td>Mol Cancer</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**

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

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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 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).