Rabbit anti DLL4 Polyclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** DLL4
- **Catalogue:** 630-500
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt, Bv

ANTIGEN PREPARATION

A synthetic peptide corresponding to -AWHAPGDDLRPEAL-. This sequence is identical to human, mouse, rat.

BACKGROUND

Delta-like protein 4 (DLL4) is a type I transmembrane protein whose extracellular domain contains a DSL domain and eight tandem EGF repeats. After binding of its ligands Notch 1 and Notch 4, the extracellular and cytoplasmic domains are cleaved and the cytoplasmic domain is translocated into the nucleus. DLL4 is expressed in the vascular endothelium, neural epithelium, adrenal cortex, spleen, and lymph nodes. It is also highly expressed in some types of bladder, breast, and renal carcinomas. DLL4 is critical in vascular development and homeostasis.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human DLL4 protein. It cross reacts to human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 43.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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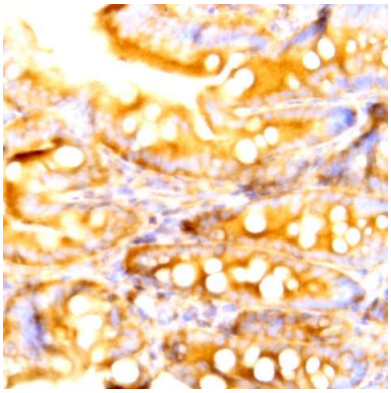
DATA ATTACHMENTS



Immunohistochemistry: Human Colon carcinoma (FFPE) stained with Rabbit anti-DLL4 antibody (Cat# 630-500) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES