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Goat Anti-Ymer / CCDC50 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2167a

Specification

Goat Anti-Ymer / CCDC50 Antibody - Product Information

Application	**IHC, E**
Primary Accession	Q8IVM0
Other Accession	NP_777568, 152137
Reactivity	**Human**
Predicted	**Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**35822**

Goat Anti-Ymer / CCDC50 Antibody - Additional Information

Gene ID 152137

Other Names
Coiled-coil domain-containing protein 50, Protein Ymer, CCDC50, C3orf6

Dilution
IHC~~1:100~500
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Ymer / CCDC50 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Ymer / CCDC50 Antibody - Protein Information

Name CCDC50

Synonyms C3orf6

Function

Involved in EGFR signaling.

Cellular Location
Cytoplasm. Note=Associated with microtubules of the cytoskeleton and mitotic apparatus.

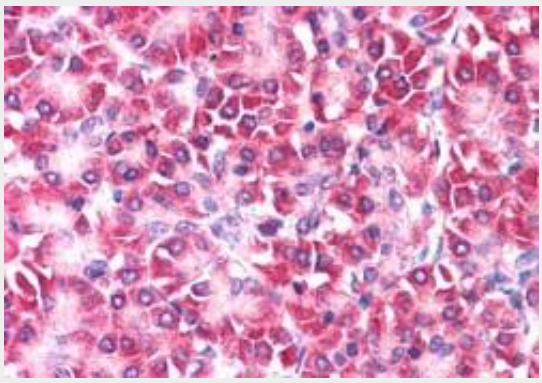
Tissue Location
Isoform 1 and isoform 2 are coexpressed in placenta, liver, lung, kidney and pancreas. Only isoform 1 is detected in skeletal muscle, brain and heart.

Goat Anti-Ymer / CCDC50 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-Ymer / CCDC50 Antibody - Images



AF2167a (5 µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-Ymer / CCDC50 Antibody - Background

This gene encodes a soluble, cytoplasmic, tyrosine-phosphorylated protein with multiple ubiquitin-interacting domains. Mutations in this gene cause nonsyndromic, postlingual, progressive sensorineural DFNA44 hearing loss. In mouse, the protein is expressed in the inner ear during development and postnatal maturation and associates with microtubule-based structures. This protein may also function as a negative regulator of NF-kB signaling and as an effector of epidermal growth factor (EGF)-mediated cell signaling. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Goat Anti-Ymer / CCDC50 Antibody - References

Gene knockdown studies revealed CCDC50 as a candidate gene in mantle cell lymphoma and chronic lymphocytic leukemia. Farfsing A, et al. Leukemia, 2009 Nov. PMID 19641524.
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Involvement of Ymer in suppression of NF-kappaB activation by regulated interaction with lysine-63-linked polyubiquitin chain. Bohgaki M, et al. Biochim Biophys Acta, 2008 May. PMID 18029035.
A mutation in CCDC50, a gene encoding an effector of epidermal growth factor-mediated cell signaling, causes progressive hearing loss. Modamio-Hoybjor S, et al. Am J Hum Genet, 2007 Jun. PMID 17503326.