



[Go to Product page](#)

Datasheet for ABIN2779774

anti-HOXD12 antibody (N-Term)

2 Images

1 Publication

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | HOXD12 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse, Goat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HOXD12 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human HOXD12 |
| Sequence: | MCERSLYRAG YVGSLLNLQS PDSFYFSNLR PNGGQLAALP PISYPRGALP |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against HOXD12. It was validated on Western Blot and immunohistochemistry. |
| Purification: | Protein A purified |

Target Details

| | |
|---------|--------|
| Target: | HOXD12 |
|---------|--------|

Target Details

Alternative Name: [HOXD12 \(HOXD12 Products\)](#)

Background: HOXD12 belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. The exact role of this gene has not been determined.

Alias Symbols: HOX4H

Protein Interaction Partner: TRAF1, CREBBP, MAFF, MAFG, MEIS1, MAFB, MAFK, MAF,

Protein Size: 279

Molecular Weight: 30 kDa

Gene ID: 3238

NCBI Accession: [NM_021193](#), [NP_067016](#)

UniProt: [P35452](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 279 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

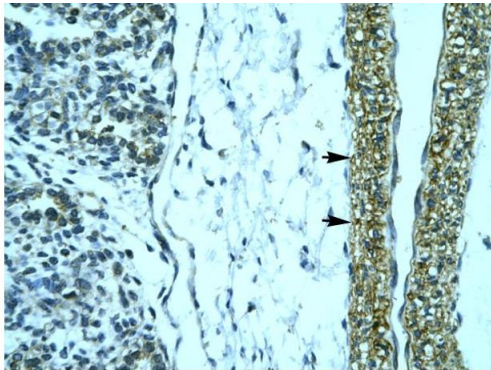
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Lind, Svedin, Domsgen, Kapell, Laitinen, Moll, Flodström-Tullberg: "Coxsackievirus counters the host innate immune response by blocking type III interferon expression." in: **The Journal of general virology**, Vol. 97, Issue 6, pp. 1-12, (2016) ([PubMed](#)).

Schulte, Liu, Panas, Thaa, Dickson, Götte, Achour, McInerney: "Combined structural, biochemical and cellular evidence demonstrates that both FGDF motifs in alphavirus nsP3 are required for efficient replication." in: **Open biology**, Vol. 6, Issue 7, (2016) ([PubMed](#)).

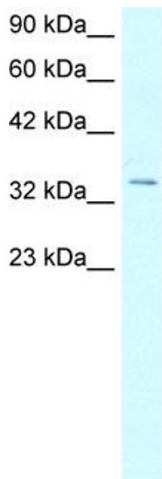
Images



Rabbit Anti-HOXD12 Antibody
Catalog Number: ARP32647
Lot Number: QC2084
Paraffin Embedded Tissue: Human Smooth Muscle
Cells with Positive label: Vascular smooth muscle cells(Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Human Smooth Muscle



Western Blotting

Image 2. WB Suggested Anti-HOXD12 Antibody Titration:
5.0ug/ml Positive Control: Human Muscle