Datasheet for ABIN870690

# anti-E-cadherin antibody (AA 662-675)

3 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | E-cadherin (CDH1) |
| Binding Specificity: | AA 662-675 |
| Reactivity: | Human, Mouse, Rat, Pig |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This E-cadherin antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

## Product Details

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|---|---|
| Purpose: | CDH1 (aa662-675) |
| Immunogen: | Peptide with sequence C-DYKINLKLMDNQNK, from the internal region of the protein sequence according to NP_004351.1. |
| Sequence: | DYKINLKLMD NQNK |
| Isotype: | IgG |
| Specificity: | The immunizing peptide represents part of the extracellular domain. |
| Cross-Reactivity: | Dog, Human, Pig, Rat |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

## Target Details

| | |
|---|---|
| Target: | E-cadherin (CDH1) |
| Alternative Name: | CDH1 |
| Background: | CDH1, cadherin 1, type 1, E-cadherin (epithelial), Arc-1, CD324, CDHE, ECAD, LCAM, UVO, CAM 120/80, E-Cadherin, cadherin 1, E-cadherin (epithelial), cadherin-1, calcium-dependent adhesion protein, epithelial, cell-CAM 120/80, epithelial cadherin, uvomorul |
| Molecular Weight: | 97.5kDa |
| Gene ID: | 999, 83502 |
| NCBI Accession: | NP_004351 |
| Pathways: | WNT Signaling, Sensory Perception of Sound, Cell-Cell Junction Organization, Tube Formation |

## Application Details

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|---|---|
| Application Notes: | Immunohistochemistry: Paraffin embedded Human Thyroid. Recommended concentration: 5 µg/mL.<br>Western Blot: Approx 85 kDa band observed in Human Kidney lysates and in Pig Colon, Kidney and Lung lysates and ~90 kDa in Mouse and Rat Lung lysates (calculated MW of 97.5 kDa according to NP_004351.1). Recommended concentration: 0.3-1 µg/mL. Primary incub<br>Peptide ELISA: antibody detection limit dilution 1:16000. |
| Restrictions: | For Research Use only |

## Handling

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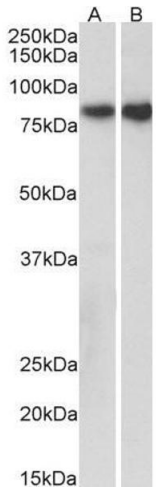
|---|---|
| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated |

## Handling

at 4°C for a few weeks and still remain viable.

## Images

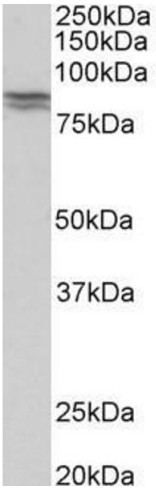



**Western Blotting**

**Image 1.** ABIN870690 (0.3µg/ml) staining of Pig Kidney (A) and Colon (B) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.


**Western Blotting**

**Image 2.** ABIN870690 (0.3µg/ml) staining of Mouse Lung (A) and Rat Lung (B) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.




**Western Blotting**

**Image 3.** ABIN870690 (0.5µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.