# APEH Polyclonal Antibody

**catalog number:** **E-AB-12756**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Synthetic peptide of human APEH |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

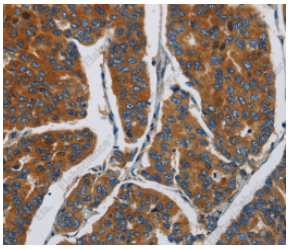
| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |
| **IHC** | 1:50-1:200 |

## Data



Western Blot analysis of Hela cell using APEH Polyclonal Antibody at dilution of 1:900

**Calculated-MW:81 kDa**



Immunohistochemistry of paraffin-embedded Human breast cancer using APEH Polyclonal Antibody at dilution of 1:30

## Preparation & Storage

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|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background

This gene encodes the enzyme acylpeptide hydrolase, which catalyzes the hydrolysis of the terminal acetylated amino acid preferentially from small acetylated peptides.The acetyl amino acid formed by this hydrolase is further processed to acetate and a free amino acid by an aminoacylase.This gene is located within the same region of chromosome 3 (3p21) as the aminoacylase gene, and deletions at this locus are also associated with a decrease in aminoacylase activity.The acylpeptide hydrolase is a homotetrameric protein of 300 kDa with each subunit consisting of 732 amino acid residues.It can play an important role in destroying oxidatively damaged proteins in living cells.Deletions of this gene locus are found in various types of carcinomas, including small cell lung carcinoma and renal cell carcinoma.


Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com