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### Overview

Quantity:	200 μL
Target:	PEG3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEG3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

# **Product Details**

lmmunogen:	Synthetic peptide of human PEG3
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

## **Target Details**

Target:	PEG3
Alternative Name:	PEG3 (PEG3 Products)
Background:	In human, ZIM2 and PEG3 are treated as two distinct genes though they share multiple 5' exons and a common promoter and both genes are paternally expressed (PMID:15203203).  Alternative splicing events connect their shared 5' exons either with the remaining 4 exons unique to ZIM2, or with the remaining 2 exons unique to PEG3. In contrast, in other mammals

### **Target Details**

ZIM2 does not undergo imprinting and, in mouse, cow, and likely other mammals as well, the ZIM2 and PEG3 genes do not share exons. Human PEG3 protein belongs to the Kruppel C2H2-type zinc finger protein family. PEG3 may play a role in cell proliferation and p53-mediated apoptosis. PEG3 has also shown tumor suppressor activity and tumorigenesis in glioma and ovarian cells. Alternative splicing of this PEG3 gene results in multiple transcript variants encoding distinct isoforms.

UniProt:

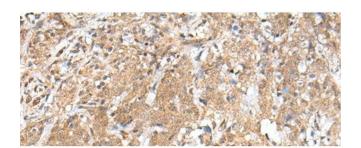
Q9GZU2

## **Application Details**

Application Notes:	IHC 1:30-1:150, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

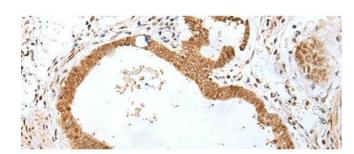
## Handling

Format:	Liquid
Concentration:	1.8 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using PEG3 Polyclonal Antibody at dilution of 1:45(x200)



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using PEG3 Polyclonal Antibody at dilution of 1:45(x200)