

## EID1 Antibody

Catalog No: #36436

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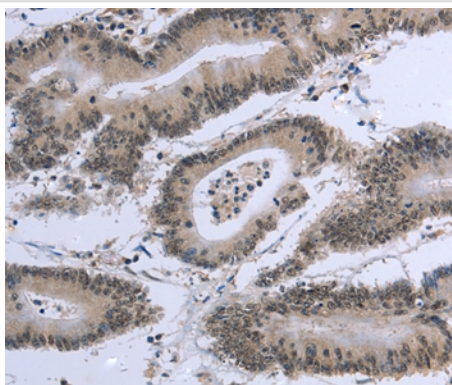
## Description

Product Name	EID1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total EID1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human EP300 interacting inhibitor of differentiation 1
Target Name	EID1
Other Names	CRI1; EID-1; RBP21; PTD014; C15orf3; PNAS-22; IRO45620
Accession No.	Swiss-Prot#: Q9Y6B2NCBI Gene ID: 23741Gene Accssion: NP_055150
Uniprot	Q9Y6B2
GeneID	23741;
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

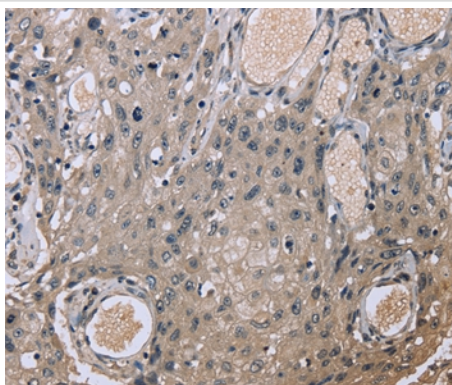
## Application Details

Immunohistochemistry: 1:25-1:100

## Images



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #36436 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #36436 at dilution 1/20.

## Background

E1A-like inhibitor of differentiation-1 (EID-1), an acetyltransferase enzyme, binds both the retinoblastoma protein (Rb), a regulator of cell cycle and tissue specific transcription, and the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. EID-1 inhibits cellular differentiation by blocking the histone acetyltransferase activity of p300. EID-1 also acetylates both histones and non-histone proteins such as NCOA3 co-activator. By acetylating histones, EID-1 gives a specific tag for transcriptional activation. In addition to binding Rb and p300, EID-1 also binds to phosphorylated CREB protein, mediating cAMP gene regulation. EID-1 augments the activity of phosphorylated CREB and activates transcription of cAMP responsive genes as a co-activator.

Note: This product is for in vitro research use only