EDD Antibody

Catalog No: #33509

Package Size: #33509-1 50ul #33509-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

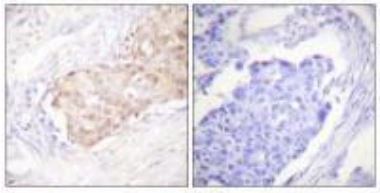
Product Name	EDD Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total EDD protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human EDD.
Target Name	EDD
Other Names	CAK; CD167a antigen; Cell adhesion kinase; Discoidin receptor tyrosine kinase; EC 2.7.1.112
Accession No.	Swiss-Prot: O95071NCBI Gene ID: 51366
Uniprot	O95071
GeneID	51366;
SDS-PAGE MW	309kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

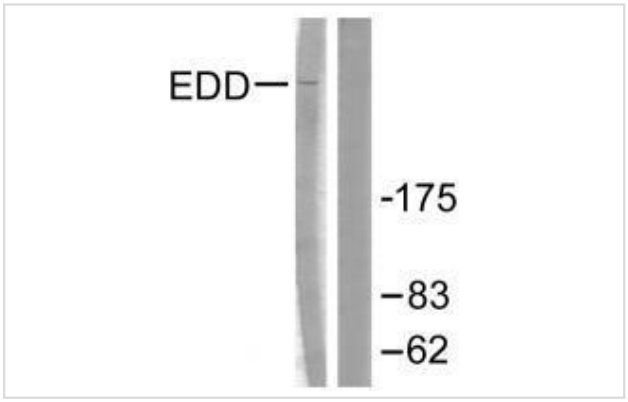
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

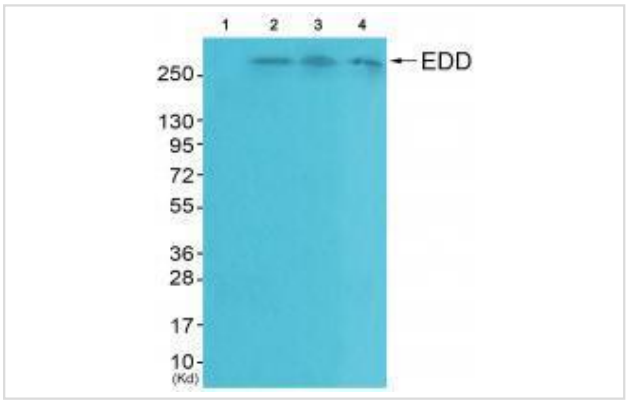
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using EDD antibody #33509.



Western blot analysis of extracts from A549 cells, using EDD antibody #33509.



Western blot analysis of extracts from HeLa cells (Lane 2), A549 cells (Lane 3) and HepG2 cells (Lane 4), using EDD antiobdy #33509. The lane on the left is treated with systhesized peptide.

Background

E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation By similarity. Involved in maturation and/or transcriptional regulation of mRNA by activating CDK9 by polyubiquitination. May play a role in control of cell cycle progression. May have tumor suppressor function. Regulates DNA topoisomerase II binding protein (TopBP1) in the DNA damage response. Plays an essential role in extraembryonic development. Ubiquitinates acetylated PCK1. Also acts as a regulator of DNA damage response by acting as a suppressor of RNF168, an E3 ubiquitin-protein ligase that promotes accumulation of 'Lys-63'-linked histone H2A and H2AX at DNA damage sites, thereby acting as a guard against excessive spreading of ubiquitinated chromatin at damaged chromosomes.

Michelle J. Henderson, J. Biol. Chem., Dec 2006; 281: 39990 - 40000.

Lisa N. Kinch, Protein Sci., Feb 2005; 14: 360 - 367.

Michelle J. Henderson, J. Biol. Chem., Jul 2002; 277: 26468 - 26478.

Darren N. Saunders, Mol. Cell. Biol., Aug 2004; 24: 7225 - 7

Note: This product is for in vitro research use only