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ENDOD1 Rabbit pAb

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Catalog # AP55636

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O94919
Reactivity	Mouse
Predicted	Rat, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55017
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ENDOD1
Epitope Specificity	251-350/500
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ENDOD1 is a 500 amino acid secreted protein that belongs to the DNA/RNA non-specific endonuclease family. ENDOD1 is thought to act as a DNase and an RNase. The gene that encodes ENDOD1 maps to human chromosome 11, which comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and thalassemia are caused by HBB gene mutations, while Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11-encoded genes.

Additional Information

Gene ID	23052
Other Names	Endonuclease domain-containing 1 protein, 3.1.30.-, ENDOD1, KIAA0830
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ENDOD1
Synonyms	KIAA0830
Function	May act as a DNase and a RNase. Plays a role in the modulation of innate immune signaling through the cGAS-STING pathway by interacting with RNF26.
Cellular Location	Secreted.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.