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NCoA-7 Polyclonal Antibody

Catalog # AP71181

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q8NI08
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106162

Additional Information

Gene ID	135112
Other Names	NCOA7; ERAP140; ESNA1; Nbla00052; Nbla10993; Nuclear receptor coactivator 7; 140 kDa estrogen receptor-associated protein; Estrogen nuclear receptor coactivator 1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

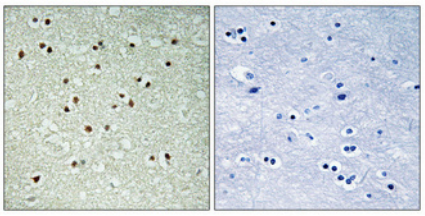
Name	NCOA7
Synonyms	ERAP140, ESNA1
Function	Transcriptional coactivator which enhances the transcriptional activities of several nuclear receptors including ESR1, THRB, PPARG and RARA (PubMed:11971969). Inhibits the activity of the vacuolar-type ATPase (V-ATPase) by inducing disassembly of the V-ATPase complex (PubMed:38593795). Protects the Golgi apparatus lumen from excess acidification by inhibiting V-ATPase ATP hydrolytic activity through interaction with V-ATPase catalytic subunit ATP6V1A, maintaining optimal conditions for glycosylation enzymes (By similarity). Required to stabilize V-ATPase V1 subunits ATP6V1B2 and ATP6V1A at membrane sites (By similarity). Involved in protection against oxidative damage (PubMed:17391516, PubMed:25330068). Involved in urine acidification (By similarity).
Cellular Location	Nucleus. Cytoplasm. Golgi apparatus, cis-Golgi network membrane

	{ECO:0000250|UniProtKB:Q6DFV7}; Peripheral membrane protein. Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:Q6DFV7}; Peripheral membrane protein. Note=Predominantly nuclear following estradiol stimulation (PubMed:17391516). Localizes to the nucleus and cytoplasm in the absence of estradiol (PubMed:17391516). Recruited to the cis- Golgi network and trans-Golgi network membranes in a Rab-dependent manner (By similarity). {ECO:0000250|UniProtKB:Q6DFV7, ECO:0000269|PubMed:17391516}
Tissue Location	Highly expressed in brain. Weakly expressed in mammary gland, ovary, uterus, prostate, stomach, bladder, spinal cord and pancreas. Expressed in cancer cell line

Background

Enhances the transcriptional activities of several nuclear receptors. Involved in the coactivation of different nuclear receptors, such as ESR1, THRB, PPARG and RARA.

Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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