



NACA (Phospho-Thr159) rabbit pAb

Catalog No	YP-Ab-10557
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	NACA HSD48
Immunogen	Synthesized peptide derived from human NACA (Phospho-Thr159)
Specificity	This antibody detects endogenous levels of NACA (Phospho-Thr159) at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.213% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Alpha NAC; Hom s 2; HSD48; NAC alpha; NACA1; NACA; NACA HSD48; NACA (Phospho-Thr159); Nascent polypeptide-associated complex subunit alpha (NAC-alpha) (Alpha-NAC) (allergen Hom s 2)
Observed Band	35 kDa
Calculated Molecular Weight	215 aa, 23 kDa
Cell Pathway	Cytoplasm . Nucleus . The heterodimer is located mainly in the cytosol, and the homodimer in the nucleus. .
Tissue Specificity	Ubiquitously expressed.
Function	allergen: Causes an allergic reaction in human. Binds to IgE from atopic dermatitis (AD) patients. Identified as an IgE autoantigen in atopic dermatitis (AD) patients with severe skin manifestations. ,function: Prevents inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Binds to nascent polypeptide chains as they emerge from the ribosome and blocks their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. Also reduces the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites). May act as a specific coactivator for JUN, binding to DNA and stabilizing the



interaction of JUN homodimers with target gene promoters.,
PTM:Phosphorylation of Ser-43 by ILK during cell adhesion may promote
nuclear localization. Phosphorylation of Thr-159 by GSK3B may promote prote

Background

This gene encodes a protein that associates with basic transcription factor 3 (BTF3) to form the nascent polypeptide-associated complex (NAC). This complex binds to nascent proteins that lack a signal peptide motif as they emerge from the ribosome, blocking interaction with the signal recognition particle (SRP) and preventing mistranslocation to the endoplasmic reticulum. This protein is an IgE autoantigen in atopic dermatitis patients. Alternative splicing results in multiple transcript variants, but the full length nature of some of these variants, including those encoding very large proteins, has not been determined. There are multiple pseudogenes of this gene on different chromosomes. [provided by RefSeq, Feb 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images