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Anti-NACA1 (Phospho-S43) Antibody

Catalog # AP60934

Product Information

Application	WB, IHC
Primary Accession	Q13765
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23384

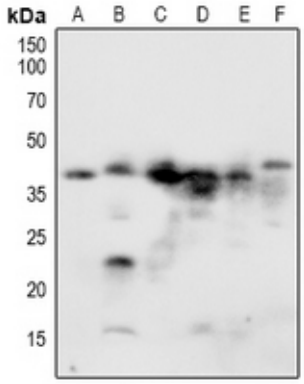
Additional Information

Gene ID	4666
Other Names	Nascent polypeptide-associated complex subunit alpha; NAC-alpha; Alpha-NAC; allergen Hom s 2
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S43 of human NACA1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

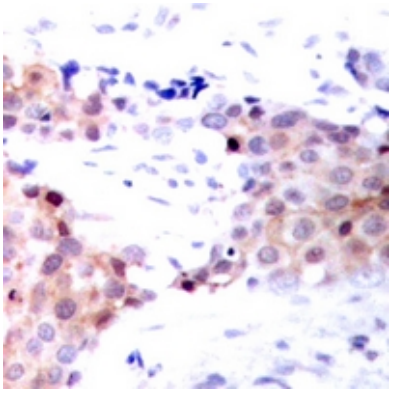
Protein Information

Name	NACA
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.
Cellular Location	Cytoplasm. Nucleus. Note=The heterodimer is located mainly in the cytosol, and the homodimer in the nucleus.
Tissue Location	Ubiquitously expressed.

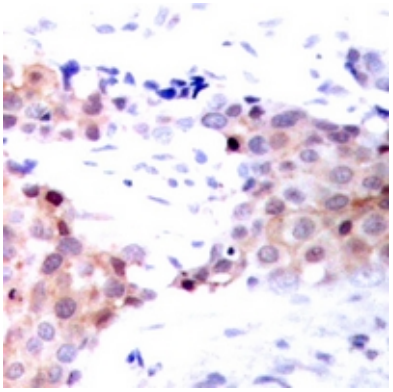
Images



Western blot analysis of NACA1 (Phospho-S43) expression in HEK293T (A), Jurkat (B), NIHC3T3 (C), CT26 (D), H9C2 (E), PC12 (F) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 40 kD)



Immunohistochemical analysis of NACA1 (Phospho-S43) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of NACA1 (pS43) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.