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Anti-NICE4 Antibody

Catalog # AP51877

Product Information

Application	WB, IF/IC
Primary Accession	Q14157
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114535

Additional Information

Gene ID	9898
Other Names	KIAA0144; NICE4; Ubiquitin-associated protein 2-like; Protein NICE-4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NICE4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
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

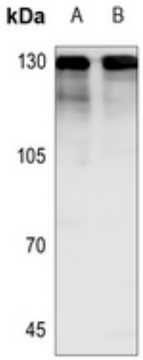
Protein Information

Name	UBAP2L (HGNC:29877)
Synonyms	KIAA0144, NICE4
Function	Recruits the ubiquitination machinery to RNA polymerase II for polyubiquitination, removal and degradation, when the transcription-coupled nucleotide excision repair (TC-NER) machinery fails to resolve DNA damage (PubMed:35633597). Plays an important role in the activity of long-term repopulating hematopoietic stem cells (LT- HSCs) (By similarity). Is a regulator of stress granule assembly, required for their efficient formation (PubMed:29395067, PubMed:35977029). Required for proper brain development and neocortex lamination (By similarity).
Cellular Location	Nucleus. Chromosome. Cytoplasm Cytoplasm, Stress granule Note=Associates with nuclear chromatin.
Tissue Location	Ubiquitous..

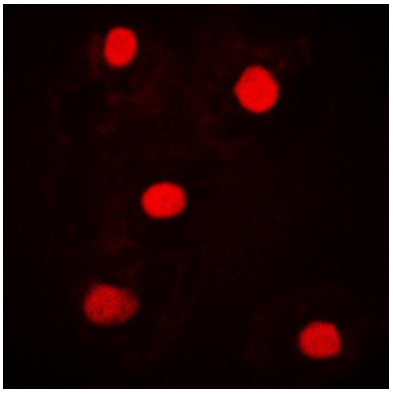
References

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Marenholz I.,et al.Genome Res. 11:341-355(2001).
Brill L.M.,et al.Anal. Chem. 76:2763-2772(2004).

Images



Western blot analysis of NICE4 expression in A549 (A), H1688 (B) whole cell lysates. (Predicted band size: 114 kD; Observed band size: 130 kD)



Immunofluorescent analysis of NICE4 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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