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UBAP2L Antibody

Catalog # ASC11959

Product Information

Application	WB, ICC, E
Primary Accession	Q14157
Other Accession	NP_055662, 188497758
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	114535
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	UBAP2L antibody can be used for the detection of UBAP2L by Western blot at 1 - 2 g/mL. Antibody can also be used for immunocytochemistry at 10 g/ml.

Additional Information

Gene ID	9898
Other Names	Ubiquitin-associated protein 2-like, Protein NICE-4, UBAP2L, KIAA0144, NICE4
Target/Specificity	UBAP2L; UBAP2L antibody is human and mouse reactive. At least four isoforms of UBAP2L are known to exist; this antibody will detect all four isoforms. This antibody is predicted to not cross-react with UBAP2.
Reconstitution & Storage	UBAP2L antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	UBAP2L Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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..

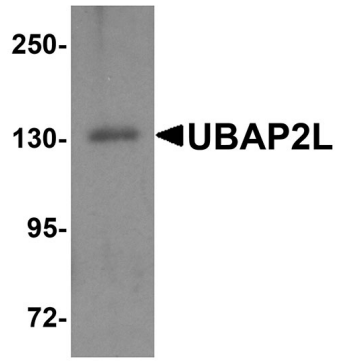
Background

The UBA domain-containing protein ubiquitin associated protein 2-like (UBAP2L), also known as NICE4, is a ubiquitously expressed 1,087 amino acid protein. UBAP2L is preferentially expressed in hematopoietic stem cell (HSC) populations and interacts with BMI1, a well-known determinant of HSC function (1). It is essential for the activity of long-term repopulating HSCs but not the BMI1-dependent repression of the Ink4a/Arf locus (1).

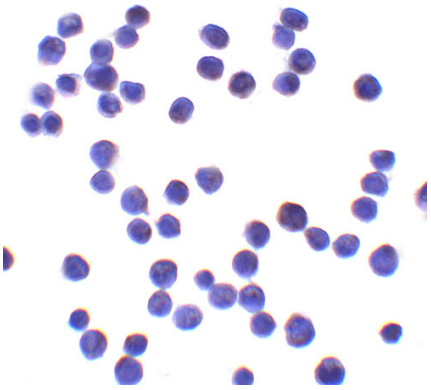
References

Bordeleau ME, Aucagne R, Chagraoui J, et al. UBAPL2L is a novel BMI1-iteracting protein essential for hematopoietic stem cell activity. Blood 2014; 124:2362-9.

Images



Western blot analysis of UBAP2L in HeLa cell lysate with UBAP2L antibody at 1 µg/ml.



Immunocytochemistry of UBAP2L in HeLa cells with UBAP2L antibody at 10 µg/ml.