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Anti-UBE4A Antibody

Catalog # AP51599

Product Information

Application	WB, IF/IC
Primary Accession	Q14139
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	122561

Additional Information

Gene ID	9354
Other Names	KIAA0126; Ubiquitin conjugation factor E4 A
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human UBE4A. 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

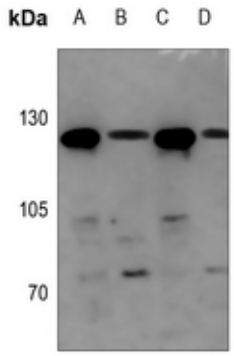
Protein Information

Name	UBE4A (HGNC:12499)
Function	Ubiquitin-protein ligase that probably functions as an E3 ligase in conjunction with specific E1 and E2 ligases. May also function as an E4 ligase mediating the assembly of polyubiquitin chains on substrates ubiquitinated by another E3 ubiquitin ligase. Mediates 'Lys-48'-linked polyubiquitination of substrates.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:E9Q735}.

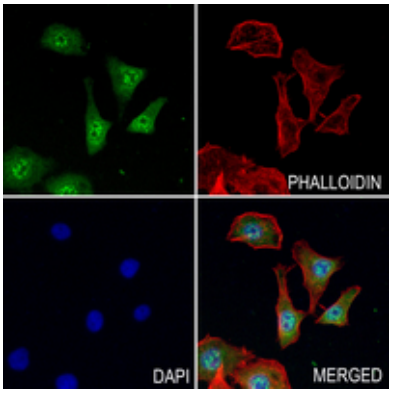
References

Nagase T.,et al.DNA Res. 2:167-174(1995).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).
Choudhary C.,et al.Science 325:834-840(2009).

Images



Western blot analysis of UBE4A expression in mouse liver (A), mouse kidney (B), rat liver (C), rat kidney (D) whole cell lysates. (Predicted band size: 122 kD; Observed band size: 125 kD)



Immunofluorescent analysis of UBE4A staining in HepG2 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).