

Rabbit anti-Human SYNE2 Polyclonal Antibody | anti-SYNE2 antibody

SYNE2 Antibody

CATALOG # AAA234672	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
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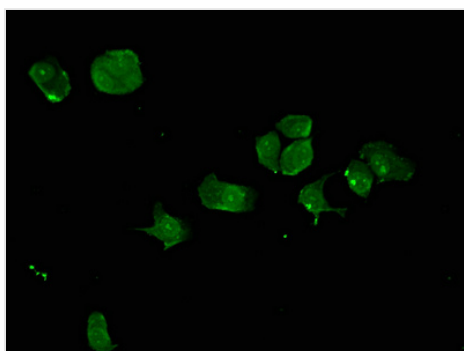
PRODUCT SYNONYMS

SYNE2; Polyclonal Antibody; SYNE2 Antibody; Nesprin-2; KASH domain-containing protein 2; KASH2; Nuclear envelope spectrin repeat protein 2; Nucleus and actin connecting element protein; Protein NUANCE; Synaptic nuclear envelope protein 2; Syne-2; KIAA1011; NUA; anti-SYNE2 antibody

PRODUCT SPECIFICATIONS

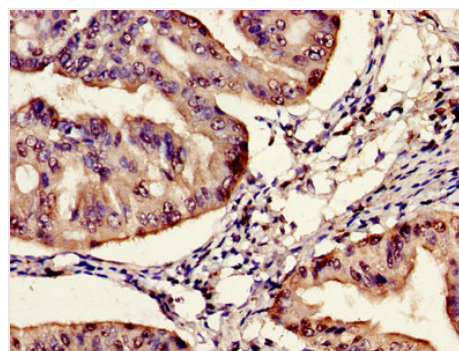
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	6885
Applicable Applications for anti-SYNE2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Nesprin-2 protein (1-176AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA234672 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA234672 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SYNE2 antibody	Multi-isomeric modular protein which forms a linking network between organelles and the actin cytoskeleton to maintain the subcellular spatial organization. As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Specifically, SYNE2 and SUN2 assemble in arrays of transmembrane actin-associated nuclear (TAN) lines which are bound to F-actin cables and couple the nucleus to retrograde actin flow during actin-dependent nuclear movement. May be involved in nucleus-centrosome attachment. During interkinetic nuclear migration (INM) at G2 phase and nuclear migration in neural progenitors its LINC complex association with SUN1/2 and probable association with cytoplasmic dynein-dynactin motor complexes functions to pull the nucleus toward the centrosome; SYNE1 and SYNE2 may act redundantly. During INM at G1 phase mediates respective LINC complex association with kinesin to push the nucleus away from the centrosome. Involved in nuclear migration in retinal photoreceptor progenitors. Required for centrosome migration to the apical cell surface during early ciliogenesis.
Product Categories/Family for anti-SYNE2 antibody	Tags & Cell Markers; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	118918403
NCBI GeneID	23224
NCBI Accession #	NP_055995.4
NCBI GenBank Nucleotide #	NM_015180.4
UniProt Accession #	Q8WXH0; Q540G1; Q86YP9; Q8N1S3; Q8NF49; Q8TER7; Q8WWW3; Q8WWW4; Q8WWW5; B4DND7; B4DPR6; I6XXQ5
Molecular Weight	119,457 Da
NCBI Official Full Name	nesprin-2 isoform 1
NCBI Official Synonym Full Names	spectrin repeat containing nuclear envelope protein 2
NCBI Official Symbol	SYNE2
NCBI Official Synonym Symbols	NUA; EDMD5; KASH2; Nesp2; TROPH; NUANCE; SYNE-2; Nesprin-2
NCBI Protein Information	nesprin-2
UniProt Protein Name	Nesprin-2
UniProt Gene Name	SYNE2
UniProt Synonym Gene Names	KIAA1011; NUA; KASH2; Protein NUANCE; Syne-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/syne2-antibody-immunofluorescence-immunohistochemistry-elisa/234672>