



# Anti-SYNE2 (aa 6350-6450) polyclonal antibody (DPABH-12474)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Multi-isomeric modular protein which forms a linking network between organelles and the actin cytoskeleton to maintain the subcellular spatial organization. Component of SUN-protein-containing multivariate complexes also called LINC complexes which link the nucleoskeleton and cytoskeleton by providing versatile outer nuclear membrane attachment sites for cytoskeletal filaments. Involved in the maintenance of nuclear organization and structural integrity. Connects nuclei to the cytoskeleton by interacting with the nuclear envelope and with F-actin in the cytoplasm. 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. Required for centrosome migration to the apical cell surface during early ciliogenesis.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 6350 - 6450 of Human Nesprin 2.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µg

<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SYNE2 spectrin repeat containing, nuclear envelope 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	SYNE2
<b>Synonyms</b>	SYNE2; spectrin repeat containing, nuclear envelope 2; NUA; EDMD5; Nesp2; TROPH; NUANCE; SYNE-2; Nesprin-2; nesprin-2; nesprin 2; polytrophin; synaptic nuclei expressed gene 2; nuclear envelope spectrin repeat-2; synaptic nuclear envelope protein 2; nuclear envelope spectrin repeat protein 2; nucleus and actin connecting element protein;
<b>Entrez Gene ID</b>	<a href="#">23224</a>
<b>Protein Refseq</b>	<a href="#">NP_055995.4</a>
<b>UniProt ID</b>	<a href="#">Q8WXH0</a>
<b>Pathway</b>	Cell Cycle; Meiotic synapsis;
<b>Function</b>	actin binding; protein binding;