



# Anti-SYNE1 (aa 1561-1670) polyclonal antibody (DPAB-DC1080)

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

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Antigen Description</b> | This gene encodes a spectrin repeat containing protein expressed in skeletal and smooth muscle, and peripheral blood lymphocytes, that localizes to the nuclear membrane. Mutations in this gene have been associated with autosomal recessive spinocerebellar ataxia 8, also referred to as autosomal recessive cerebellar ataxia type 1 or recessive ataxia of Beauce. Alternatively spliced transcript variants encoding different isoforms have been described. |
| <b>Immunogen</b>           | SYNE1 (NP_892006, 1561 a.a. ~ 1670 a.a) partial recombinant protein with GST tag.<br>The sequence is<br>LRKIQQSVSEFEDKLAVPIKICSSATETYKVLQEHMDLCQALESLSSAITAFSASARKVV<br>NRDSCVQEAAALQQYEDILRRAKERQTALENLLAHWQRLEKELSSFLTW                                                                                                                                                                                                                                           |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>        | ELISA,                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Size</b>                | 50 µl                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer</b>              | 50 % glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">SYNE1 spectrin repeat containing, nuclear envelope 1 [ Homo sapiens (human) ]</a>                                                                                                                                                                    |
| <b>Official Symbol</b>     | SYNE1                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | SYNE1; spectrin repeat containing, nuclear envelope 1; 8B; CPG2; ARCA1; EDMD4; MYNE1; Nesp1; SCAR8; C6orf98; dJ45H2.2; nesprin-1; enaptin; nesprin 1; synaptic nuclei expressed gene 1; myocyte nuclear envelope protein 1; synaptic nuclear envelope protein 1; |
| <b>Entrez Gene ID</b>      | <a href="#">23345</a>                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | <a href="#">NP_149062</a>                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | <a href="#">Q8NF91</a>                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 6q25                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | Cell Cycle; Meiotic synapsis.                                                                                                                                                                                                                                    |
| <b>Function</b>            | actin binding; actin filament binding; lamin binding; poly(A) RNA binding                                                                                                                                                                                        |