



Anti-CABYR monoclonal antibody (DCABH-200315)

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

PRODUCT INFORMATION

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| Antigen Description | To reach fertilization competence, spermatozoa undergo a series of morphological and molecular maturational processes, termed capacitation, involving protein tyrosine phosphorylation and increased intracellular calcium. The protein encoded by this gene localizes to the principal piece of the sperm flagellum in association with the fibrous sheath and exhibits calcium-binding when phosphorylated during capacitation. A pseudogene on chromosome 3 has been identified for this gene. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. |
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| Target | CABYR |
| Immunogen | A synthetic peptide of human CABYR is used for rabbit immunization. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Protein A |
| Conjugate | Unconjugated |
| Applications | WB, ELISA |
| Size | 1 mg |
| Buffer | In 1x PBS, pH 7.4 |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | CABYR calcium binding tyrosine-(Y)-phosphorylation regulated [Homo sapiens (human)] |
| Official Symbol | CA |
| Synonyms | CA; calcium binding tyrosine-(Y)-phosphorylation regulated; CT88; FSP2; CBP86; FSP-2; CABYRa; CABYRc; CABYRe; CABYRc/d; calcium-binding tyrosine phosphorylation-regulated protein; fibrousheathin 2; fibrousheathin-2; fibrousheathin II; cancer/testis antigen 88; calcium-binding protein 86; testis-specific calcium-binding protein CBP86; calcium binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2); calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2); |
| Entrez Gene ID | 26256 |
| Protein Refseq | NP_036321 |
| UniProt ID | A0A024RC21 |
| Chromosome Location | 18q11.2 |
| Function | SH3 domain binding; calcium ion binding; enzyme binding; protein heterodimerization activity; protein kinase binding; |