



# Anti-CASC3 (aa 653-703) polyclonal antibody (DPABH-11843)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Component of a splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of a few core proteins and several more peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Core components of the EJC, that remains bound to spliced mRNAs throughout all stages of mRNA metabolism, functions to mark the position of the exon-exon junction in the mature mRNA and thereby influences downstream processes of gene expression including mRNA splicing, nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Stimulates the ATPase and RNA-helicase activities of EIF4A3. Plays a role in the stress response by participating in cytoplasmic stress granules assembly and by favouring cell recovery following stress. Component of the dendritic ribonucleoprotein particles (RNPs) in hippocampal neurons (By similarity). May play a role in mRNA transport (By similarity). Binds spliced mRNA in sequence-independent manner, 20-24 nucleotides upstream of mRNA exon-exon junctions. Binds poly(G) and poly(U) RNA homopolymer.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within amino acids 653-703 of Human MLN51/CASC3 (NP_031385.2).
<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 $\mu$ l
<b>Buffer</b>	Constituents: 99% Tris buffered saline, 0.1% BSA
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CASC3 cancer susceptibility candidate 4 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CASC3
<b>Synonyms</b>	CASC3; cancer susceptibility candidate 3; BTZ; MLN51; protein CASC3; MLN 51; barentsz; protein barentsz; metastatic lymph node 51; metastatic lymph node gene 51 protein; cancer susceptibility candidate gene 3 protein;
<b>Entrez Gene ID</b>	<a href="#">22794</a>
<b>Protein Refseq</b>	<a href="#">NP_031385.2</a>
<b>UniProt ID</b>	<a href="#">O15234</a>
<b>Pathway</b>	Exon junction complex (EJC); Gene Expression; Nonsense-Mediated Decay (NMD); RNA transport
<b>Function</b>	enzyme binding; identical protein binding; poly(A) RNA binding; protein binding