



# Anti-BEST3 monoclonal antibody (DCABH-10735)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	BEST3 belongs to the bestrophin family of anion channels, which includes BEST1 (MIM 607854), the gene mutant in vitelliform macular dystrophy (VMD; MIM 153700), and 2 other BEST1-like genes, BEST2 (MIM 607335) and BEST4 (MIM 607336). Bestrophins are transmembrane (TM) proteins that share a homology region containing a high content of aromatic residues, including an invariant arg-phe-pro (RFP) motif. The bestrophin genes share a conserved gene structure, with almost identical sizes of the 8 RFP-TM domain-encoding exons and highly conserved exon-intron boundaries. Each of the 4 bestrophin genes has a unique 3-prime end of variable length (Stohr et al., 2002 [PubMed 12032738]; Tsunenari et al., 2003 [PubMed 12907679]).
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<b>Immunogen</b>	A synthetic peptide of human BEST3 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">BEST3 bestrophin 3 [ Homo sapiens ]</a>
Official Symbol	BEST3
Synonyms	BEST3; bestrophin 3; vitelliform macular dystrophy 2 like 3 , VMD2L3; bestrophin-3; MGC13168; MGC40411; vitelliform macular dystrophy 2-like 3; vitelliform macular dystrophy 2-like protein 3; VMD2L3;
Entrez Gene ID	<a href="#">144453</a>
Protein Refseq	<a href="#">NP_116124</a>
UniProt ID	<a href="#">Q8N1M1</a>
Chromosome Location	12q14.2-q15
Function	chloride channel activity; ion channel activity; molecular_function;