



# Anti-MYO9A (aa 719-828) polyclonal antibody (DPAB-DC1986)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). Unconventional myosins contain the basic domains of conventional myosins and are further distinguished from class members by their tail domains. They function as actin-based molecular motors. Mutations in this gene have been associated with Bardet-Biedl Syndrome.
<b>Immunogen</b>	MYO9A (NP_008832, 719 a.a. ~ 828 a.a) partial recombinant protein with GST tag. The sequence is GKRNIHRKTGHDDTAPCAILKSMDSFSLQHPVHQRSLEILQRCKEEKYSITRKNPRTPL SDLQGMNALNEKNQHDTFDIAWNGRTGIRQSRLSSGTSLLDKDGIFANST
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), 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="#">MYO9A myosin IXA [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MYO9A
<b>Synonyms</b>	MYO9A; myosin IXA; unconventional myosin-IXa; myosin-IXa; unconventional myosin-9a;
<b>Entrez Gene ID</b>	<a href="#">4649</a>
<b>Protein Refseq</b>	<a href="#">NP_008832</a>
<b>UniProt ID</b>	<a href="#">B2RTY4</a>
<b>Chromosome Location</b>	15q22-q23
<b>Pathway</b>	Rho GTPase cycle; Signaling by Rho GTPases;
<b>Function</b>	ATP binding; GTPase activator activity; actin binding; metal ion binding