

Rabbit Usherin Polyclonal Antibody | anti-USH2A antibody

Usherin Antibody FITC-Conjugated

CATALOG # AAA226318	HOST Rabbit	APPLICATIONS Immunoprecipitation, ELISA
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PRODUCT SYNONYMS

Usherin; Polyclonal Antibody; Usherin Antibody FITC-Conjugated; dJ1111A8.1 antibody; US1 antibody; USH1A antibody; Usher syndrome type Ia protein antibody; Usher syndrome type-1A protein antibody; Usherin antibody; anti-USH2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG in antibody stabilization buffer
Specificity	This antibody will detect both Usherin isoform A and Usherin isoform B.
Purity/Purification	Antigen Affinity purified
Form/Format	FITC-Conjugated Immunoglobulins
Concentration	100 Micrograms IgG in 200ul of antibody stabilization buffer. (varies by lot)
Applicable Applications for anti-USH2A antibody	IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 150-180 on Usher Type 2A protein.
Cross Reactivity	Human, Monkey, Mouse, Rat
Preparation and Storage	Store at -20°C for long term storage.

ADDITIONAL INFORMATION

Related Product Information for anti-USH2A antibody	FITC-Conjugated Usherin isoform A Antibody N-epitope Usher syndrome , an autosomal recessive heterogeneous disorder, is the most common cause of deafness and blindness in adults and effect 3-6% children born with hearing impairment. The affected individuals have sensory neural deficiencies at birth and subsequently develop progressive retinitis pigmentosa (RP). Three forms of Usher loss and vestibular involvement . Type I patients are profoundly deaf while type II (most common form of Usher syndrome) patients are mildly deaf but have normal vestibular responses. (1). Ush2A gene has been mapped on a 1 mega base pair interval between marker D1S474 and AFM144XF2. The Usher 2A gene expresses an extra cellular matrix protein that ressembles unconventional Myosin and do not appear to have any un-conventional functional correlations. The human Usher Syndrome 2A (Ush2A) protein has 1272 amino acid (Approximate MW 153 kDa) with several functional domains (Laminin type EGF like domain; Laminin-Type epidermal growth factor like domain and fibronectin type 3 like domain.) The protein has a single transmembrane domain that anchor the protein to the cell membrane, the rest of the protein stays outside the cell. The Ush2A protein is approximately 153 kDa (1272 amino acids) with multiple conserved domains that is mainly expressed in RPEs. The Anti-Usherin selective antibodies were generated against three regions: N-epitope, Mid Region and C-epitope. These epitope are uique to Usherin protein. The polyclonal antibody strongly labels a 186kDa protein in RPE cell extracts. Anti-Ush2A selective antibodies are also available in affinity purified form for confocal, Western blotting and immunocytochemical analyses. Antibodies can be conjugated with fluorescent probes or secondary enzymes for an extra charge. Western blot positive control in ready-to use SDS sample buffer and antigenic blocking peptides are available.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219842259
NCBI GeneID	7399
NCBI Accession #	NP_009054.5
NCBI GenBank Nucleotide #	NM_007123.5
UniProt Accession #	O75445 ; Q5VVM9 ; Q6S362 ; Q9NS27
NCBI Official Full Name	usherin isoform A
NCBI Official Synonym Full Names	usherin
NCBI Official Symbol	USH2A
NCBI Official Synonym Symbols	US2; RP39; USH2; dJ1111A8.1
NCBI Protein Information	usherin
UniProt Protein Name	Usherin
UniProt Gene Name	USH2A
UniProt Entry Name	USH2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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