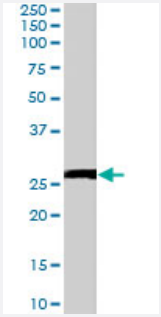
GJB2 polyclonal antibody

Catalog # PAB7162 Size 100 ug

Applications



Western Blot (Tissue lysate)

GJB2 polyclonal antibody (Cat # PAB7162) (0.01 ug/mL) staining of mouse brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of GJB2.
Immunogen	A synthetic peptide corresponding to human GJB2.
Sequence	YLLIRYCSGKSKKP
Host	Goat
Theoretical MW (kDa)	26.2
Reactivity	Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:128000) Western Blot (0.01-0.03 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — GJB2

Entrez GeneID	2706
Protein Accession#	NP_0.03995.2
Gene Name	GJB2
Gene Alias	CX26, DFNA3, DFNB1, HID, KID, NSRD1, PPK
Gene Description	gap junction protein, beta 2, 26kDa
Omim ID	121011 124500 148210 148350 149200 220290 601544 602540
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the gap junction protein family. The gap junctions were first char acterized by electron microscopy as regionally specialized structures on plasma membranes of c ontacting adherent cells. These structures were shown to consist of cell-to-cell channels that facilit ate the transfer of ions and small molecules between cells. The gap junction proteins, also known as connexins, purified from fractions of enriched gap junctions from different tissues differ. Accord ing to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene are responsible for as much a s 50% of pre-lingual, recessive deafness. [provided by RefSeq
Other Designations	OTTHUMP00000018093|OTTHUMP00000018094|connexin 26|gap junction protein beta 2|gap ju nction protein, beta 2, 26kD (connexin 26)

Publication Reference

- Connexin 26 regulates epidermal barrier and wound remodeling and promotes psoriasiform response.

  Djalilian AR, McGaughey D, Patel S, Seo EY, Yang C, Cheng J, Tomic M, Sinha S, Ishida-Yamamoto A, Segre JA.

  The Journal of Clinical Investigation 2006 May; 116(5):1243.

  Application: IF, IHC-Fr, IHC-P, Mouse, Mouse skin

Disease

- Aminoglycoside-induced deafness
- Apraxias
- Attention Deficit Disorder with Hyperactivity
- Auditory Perception
- Auditory Threshold
- Cholesteatoma
- Chorioamnionitis
- Chromosome Aberrations
- Chromosome Deletion
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Cognition
- Cytomegalovirus Infections
- Deafness
- Disease Progression
- Diseases in Twins
- Fetal Membranes

- Functional Laterality
- Genetic Predisposition to Disease
- Hearing
- Hearing Disorders
- Hearing Loss
- Keratoderma
- Language Development Disorders
- Mutism
- Obstetric Labor
- Occupational Diseases
- Ovarian Neoplasms
- Pre-Eclampsia
- Premature Birth
- Presbycusis
- Psoriasis
- Recurrence
- Rhinitis
- Sinusitis
- Speech Perception
- Stomach Neoplasms
- Syndrome
- Usher Syndromes
- Vestibular Diseases
- Vestibulocochlear Nerve Diseases