

## Product Data Sheet: Connexin 43

Cat. No: AB-90007
Size: 100 ug
Clone: POLY
Concentration: 1mg/ml
Host: Rb

**Isotype:** IgG

**Immunogen:** Recombinant fusion protein containing a sequencem corresponding to amino

acids 233-382 of human Connexin43.

**Reactivity:** Hu, Rt, Ms

**Applications:** Western Blot: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:200

**Molecular Weight:** 38kDa **Purification:** Aff. Pur.

**Synonyms:** GJA1;AVSD3;CMDR;CX43;EKVP;GJAL;HLHS1;HSS;ODDD; PPKCA;EKVP3

This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the

**Background:** heart that are thought to have a crucial role in the synchronized contraction of

the heart and in embryonic development. A related introlless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal

dysplasia and heart malformations.

Form: Liquid

**Buffer:** PBS with 0.02% sodium azide,50% glycerol ,pH7.3.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.