

## Product datasheet for **AP11570PU-N**

### **GJA3 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	ELISA 1:1,000. Immunohistochemistry 1:50 - 1:100.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-term region of human GJA3.
<b>Specificity:</b>	This antibody detects GJA3 at N-term.
<b>Formulation:</b>	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	gap junction protein alpha 3
<b>Database Link:</b>	<a href="#">Entrez Gene 2700 Human Q9Y6H8</a>



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**Background:**

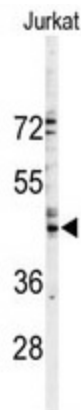
GJA3, an integral membrane protein, belong to the connexin family, alpha-type (group II) subfamily. One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. A connexon is composed of a hexamer of connexins. This particular connexin is a component of lens fiber gap junctions, can form both junctional and nonjunctional ('hemi-') channels. Defects in GJA3 are the cause of zonular pulverulent cataract type 3 (CZP3), a form of autosomal dominant congenital cataract.

**Synonyms:**

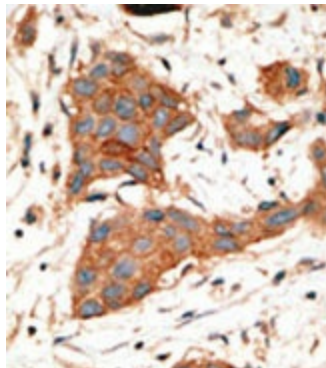
Gap junction alpha-3 protein, Connexin-46

**Note:**

Molecular weight: 47296 Da

**Product images:**

Western blot analysis of GJA3 Antibody (N-term) in Jurkat cell line lysates (35 ug/lane). GJA3 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human breast carcinoma reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.