

## Basic Information

<b>Product Name</b>	Anti-Connexin-46/GJA3 Antibody
<b>Gene Name</b>	GJA3
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	WB
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	Polypeptide
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	47 kDa
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000

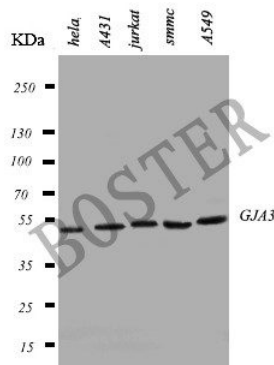
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

The protein encoded by this gene is a connexin and is a component of lens fiber gap junctions. Defects in this gene are a cause of zonular pulverulent cataract type 3 (CZP3).

## Selected Validation Data



Western blot analysis of Connexin-46/GJA3 using anti-Connexin-46/GJA3 antibody (BA3200-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human A431 whole cell lysates,

Lane 3: mouse NIH/3T3 whole cell lysates,

Lane 4: human SMMC whole cell lysates,

Lane 5: human A549 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Connexin-46/GJA3 antigen affinity purified polyclonal antibody (BA3200-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Connexin-46/GJA3 at approximately 47 kDa. The expected band size for Connexin-46/GJA3 is at 47 kDa.