

## Phospho-Connexin 43 (Ser368) Ab

Cat.#: AF3199	Concn.: 1mg/ml	Mol.Wt.: 43kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

**Application:** WB 1:500-1:2000 IHC 1:50-1:200

**Reactivity:** Human,Mouse,Rat

**Purification:** The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

**Specificity:** Phospho-Connexin 43 (Ser368) Ab detects endogenous levels of Connexin 43 only when phosphorylated at Serine 368.

**Immunogen:** A synthesized peptide derived from human Connexin 43 around the phosphorylation site of Serine 368.

**Uniprot:** P17302

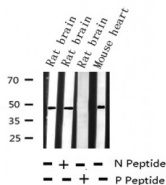
**Description:** Gap junction protein, alpha 1 is a member of the connexin gene family and a component of gap junctions. Gap junctions are composed of arrays of intercellular channels and provide a route for the diffusion of materials of low molecular weight from cell to cell.

**Subcellular Location:** Cell membrane. Cell junction > gap junction.

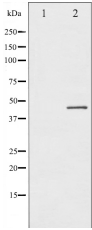
**Tissue Specificity:** Expressed in the heart and fetal cochlea.

**Similarity:** Belongs to the connexin family. Alpha-type (group II) subfamily.

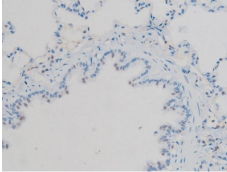
**Storage Condition and Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



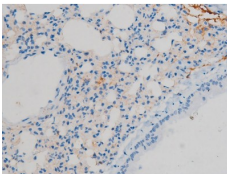
Western blot analysis of Phospho-Connexin 43 (Ser367) expression in various lysates



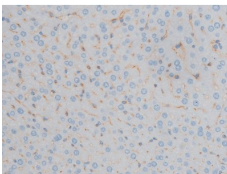
Western blot analysis of Connexin 43 phosphorylation expression in PMA treated K562 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



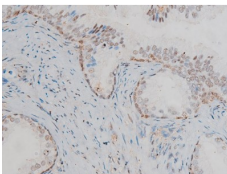
AF3199 at 1/200 staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3199 at 1/200 staining Mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3199 at 1/200 staining Mouse liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3199 at 1/200 staining Human prostate tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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