

**Connexin 43 (phospho Ser368) rabbit pAb****Cat#: orb764166 (Manual)**

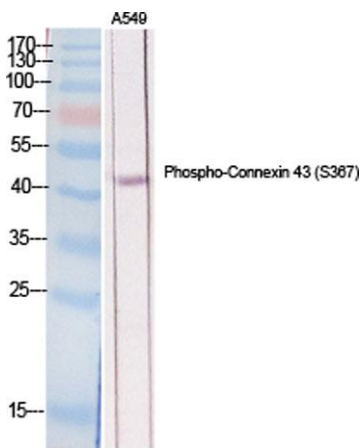
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Connexin 43 (phospho Ser368) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Connexin 43 around the phosphorylation site of Ser367. AA range:332-381
<b>Specificity</b>	Phospho-Connexin 43 (S368) Polyclonal Antibody detects endogenous levels of Connexin 43 protein only when phosphorylated at S368.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Gap junction alpha-1 protein
<b>Gene Name</b>	GJA1
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein . Cell junction, gap junction . Endoplasmic reticulum . Localizes at the intercalated disk (ICD) in cardiomyocytes and the proper localization at ICD is dependent on TMEM65. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

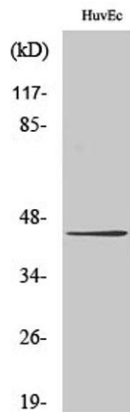
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	43kD
<b>Human Gene ID</b>	2697
<b>Human Swiss-Prot Number</b>	P17302
<b>Alternative Names</b>	GJA1; GJAL; Gap junction alpha-1 protein; Connexin-43; Cx43; Gap junction 43 kDa heart protein

## Background

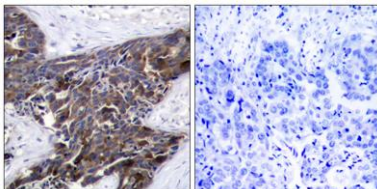
This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniofacial dysplasia and heart malformations. [provided by RefSeq, May 2014],



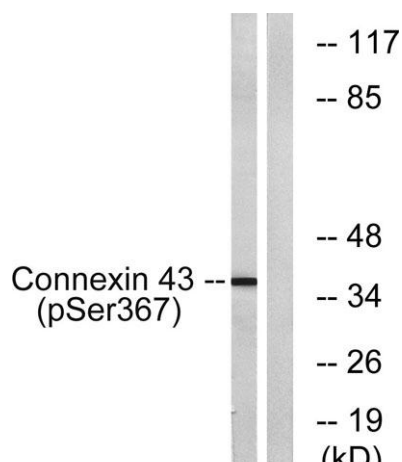
**Western Blot analysis of various cells using Phospho-Connexin 43 (S367) Polyclonal Antibody diluted at 1:2000**



Western Blot analysis of HuvEc cells using Phospho-Connexin 43 (S368) Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Connexin 43 (Phospho-Ser367) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells treated with PMA 200ng/ml 10', using Connexin 43 (Phospho-Ser367) Antibody. The lane on the right is blocked with the phospho peptide.