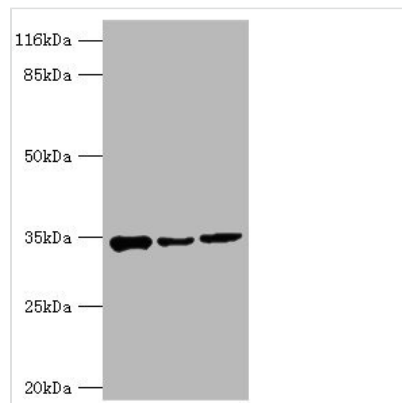




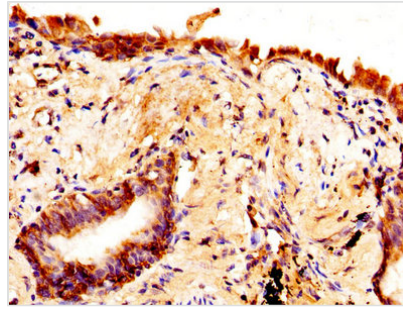
AQP4 Antibody

| | |
|----------------------------|--|
| Product Code | CSB-PA11137A0Rb |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P55087 |
| Immunogen | Recombinant Human Aquaporin-4 protein (253-323AA) |
| Raised In | Rabbit |
| Species Reactivity | Human, Mouse |
| Tested Applications | ELISA, WB, IHC, IF; Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500, IF:1:50-1:200 |
| Relevance | Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| Purification Method | >95%, Protein G purified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Alias | Aquaporin-4 (AQP-4) (Mercurial-insensitive water channel) (MIWC) (WCH4), AQP4 |
| Species | Human |
| Research Area | Signal Transduction |
| Target Names | AQP4 |

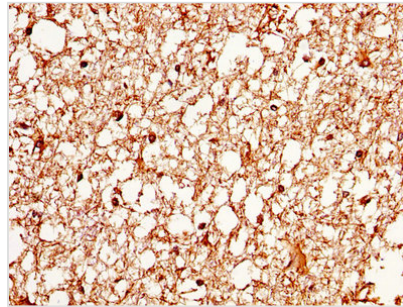
Image



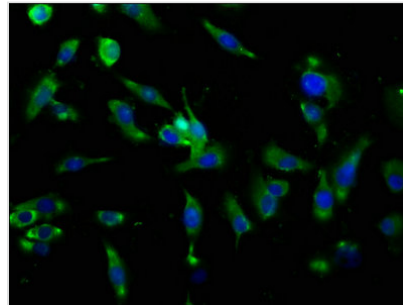
Western blot
 All lanes: AQP4 antibody at 2µg/ml
 Lane 1: Mouse heart tissue
 Lane 2: Mouse brain tissue
 Lane 3: Mouse kidney tissue
 Secondary
 Goat polyclonal to rabbit IgG at 1/10000 dilution
 Predicted band size: 35, 33 kDa
 Observed band size: 35 kDa



IHC image of CSB-PA11137A0Rb diluted at 1:370 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC image of CSB-PA11137A0Rb diluted at 1:370 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of U251 cells with CSB-PA11137A0Rb at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).