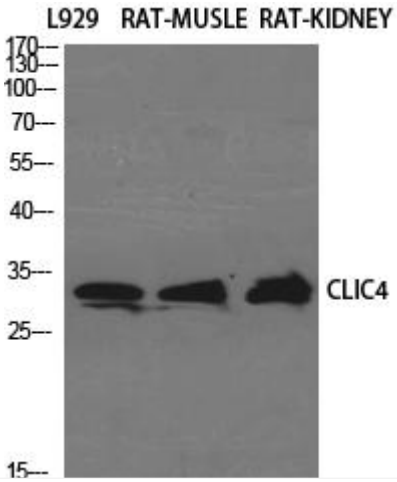
CLIC4 Monoclonal Antibody

Catalog No	BYmab-16405
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CLIC4
Protein Name	Chloride intracellular channel protein 4
Immunogen	The antiserum was produced against synthesized peptide derived from human CLIC4. AA range:1-50
Specificity	CLIC4 Monoclonal Antibody detects endogenous levels of CLIC4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLIC4; Chloride intracellular channel protein 4; Intracellular chloride ion channel protein p64H1
Observed Band	29kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasmic vesicle membrane ; Single-pass membrane protein . Nucleus matrix. Cell membrane ; Single-pass membrane protein . Mitochondrion. Cell junction. Colocalized with AKAP9 at the centrosome and midbody. Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain. Present in an intracellular vesicular compartment that likely represent trans-Golgi network vesicles.
Tissue Specificity	Detected in epithelial cells from colon, esophagus and kidney (at protein level). Expression is prominent in heart, kidney, placenta and skeletal muscle.
Function	domain:Members of this family may change from a globular, soluble state to a state where the N-terminal domain is inserted into the membrane and functions as chloride channel. A conformation change of the N-terminal domain is thought to expose hydrophobic surfaces that trigger membrane insertion.,function:Can insert into membranes and form poorly selective ion channels that may also transport

	chloride ions. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Promotes cell-surface expression of HRH3. May play a role in angiogenesis.,induction:Up-regulated by calcium ions in differentiating keratinocytes.,similarity:Belongs to the chloride channel CLIC family.,similarity:Contains 1 GST C-terminal domain.,subcellular location:Exists both as soluble cytoplasmic protein and as membrane protein with probably a single
Background	chloride intracellular channel 4(CLIC4) Homo sapiens Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. Chloride intracellular channel 4 (CLIC4) protein, encoded by the CLIC4 gene, is a member of the p64 family; the gene is expressed in many tissues and exhibits a intracellular vesicular pattern in Panc-1 cells (pancreatic cancer cells). [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CLIC4 Monoclonal Antibody