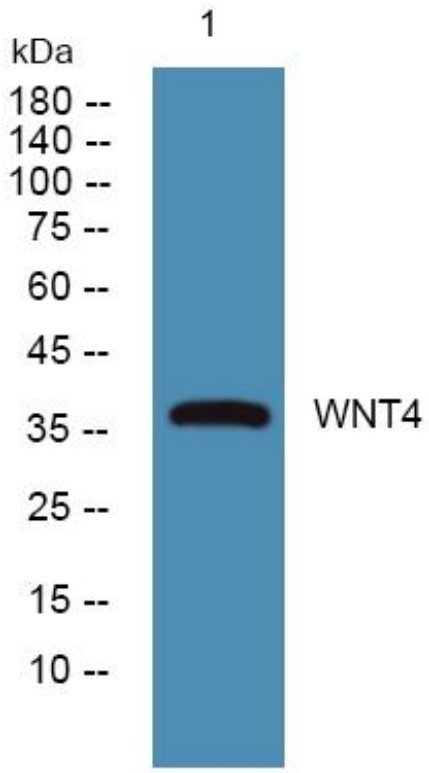
WNT4 Monoclonal Antibody

Catalog No	BYmab-05159
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	WNT4 UNQ426/PRO864
Protein Name	Protein Wnt-4
Immunogen	Synthesized peptide derived from human protein . at AA range: 190-270
Specificity	WNT4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	
Observed Band	38kD
Cell Pathway	Secreted, extracellular space, extracellular matrix.
Tissue Specificity	Fetal tissues,Mammary gland,Placenta,
Function	disease:Defects in WNT4 are a cause of Rokitansky-Kuster-Hauser syndrome (RKH syndrome) [MIM:277000]; also called Mayer-Rokitansky-Kuster-Hauser syndrome (MRKH syndrome or MRKH anomaly). RKH syndrome is characterized by utero-vaginal atresia in otherwise phenotypically normal female with a normal 46,XX karyotype. Anomalies of the genital tract range from upper vaginal atresia to total Muellerian agenesis with urinary tract abnormalities. It has an incidence of approximately 1 in 5'000 newborn girls.,disease:Defects in WNT4 are the cause of female sex reversal with dysgenesis of kidneys, adrenals, and lungs (SERKAL) [MIM:611812]; also known as SERKAL syndrome.,function:Ligand for members of the frizzled family of seven transmembrane receptors.,function:Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule wh

Background	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome. [provided by RefSe
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 WNT4 Monoclonal Antibody