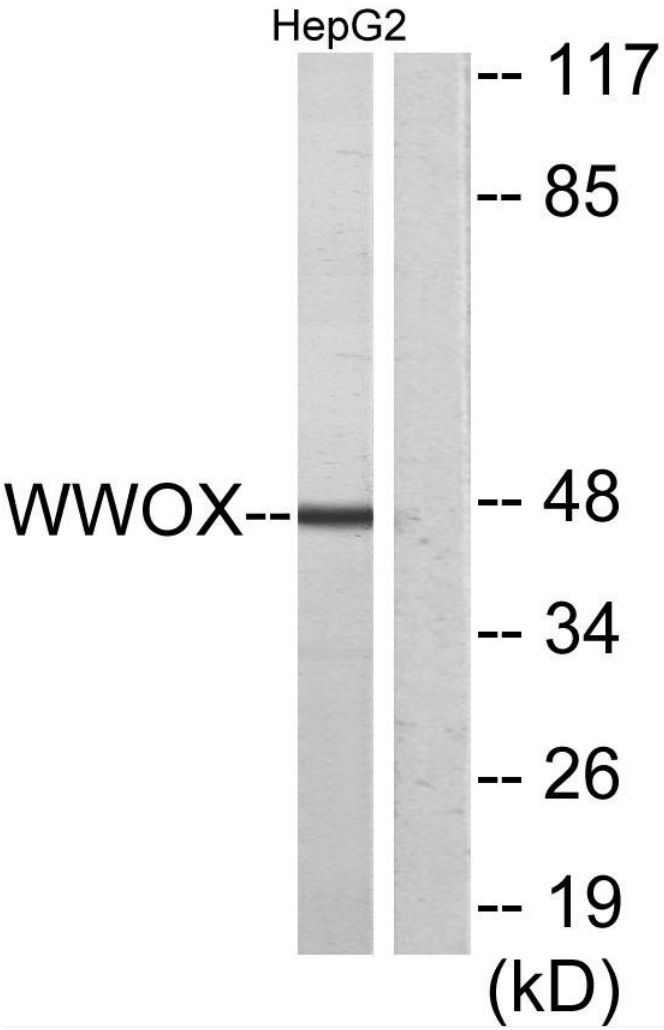
WWOX Monoclonal Antibody

Catalog No	BYmab-00549
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	WWOX
Protein Name	WW domain-containing oxidoreductase
Immunogen	The antiserum was produced against synthesized peptide derived from human WWOX. AA range:1-50
Specificity	WWOX Monoclonal Antibody detects endogenous levels of WWOX 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	WWOX; FOR; WOX1; WW domain-containing oxidoreductase; Fragile site FRA16D oxidoreductase
Observed Band	47kD
Cell Pathway	Cytoplasm . Nucleus . Mitochondrion . Golgi apparatus . Partially localizes to the mitochondria (PubMed:14695174). Translocates to the nucleus upon genotoxic stress or TNF stimulation (By similarity). Translocates to the nucleus in response to TGFB1 (PubMed:19366691). Isoform 5 and isoform 6 may localize in the nucleus. .
Tissue Specificity	Widely expressed. Strongly expressed in testis, prostate, and ovary. Overexpressed in cancer cell lines. Isoform 5 and isoform 6 may only be expressed in tumor cell lines.
Function	skeletal system development, ossification, osteoblast differentiation, induction of apoptosis, steroid metabolic process, negative regulation of signal transduction, negative regulation of cell communication, regulation of cell death,positive regulation of cell death, induction of programmed cell death, regulation of Wnt receptor signaling pathway,negative regulation of Wnt receptor signaling pathway, regulation of apoptosis, positive regulation of

	apoptosis,regulation of programmed cell death, positive regulation of programmed cell death, skeletal system morphogenesis,oxidation reduction, bone development,
Background	WWOX (WW domain containing oxidoreductase) encodes a member of the short-chain dehydrogenases/reductases (SDR) protein family. WWOX spans the FRA16D common chromosomal fragile site and appears to function as a tumor suppressor gene. Expression of the encoded protein is able to induce apoptosis, while defects in this gene are associated with multiple types of cancer. Disruption of WWOX is also associated with autosomal recessive spinocerebellar ataxia 12. Disruption of a similar gene in mouse results in impaired steroidogenesis, additionally suggesting a metabolic function for the protein. Alternative splicing results in multiple transcript variants.
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 WWOX Monoclonal Antibody