



# DOXA1 mouse mAb

Catalog No	BYmab-11474
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	DUOXA1 NIP NUMBIP
Protein Name	DOXA1
Immunogen	Synthesized peptide derived from human DOXA1 AA range: 24-74
Specificity	This antibody detects endogenous levels of DOXA1 at Human/Mouse
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	
Observed Band	
Cell Pathway	Membrane ; Multi-pass membrane protein .
Tissue Specificity	Specifically expressed in thyroid gland. Also detected in esophagus.
Function	function:May be required for the maturation and the transport from the endoplasmic reticulum to the plasma membrane of functional DUOX1.,similarity:Belongs to the DUOXA family.,subunit:May interact with NUMB.,tissue specificity:Specifically expressed in thyroid gland. Also detected in esophagus.,
Background	Dual oxidases DUOX1 and DUOX2 are NADPH oxidases which are involved in hydrogen peroxide production necessary for thyroid hormonogenesis. They form a heterodimer with specific maturation factors DUOXA1 and DUOXA2, respectively, which is essential for the maturation and function of the DUOX enzyme complexes. This gene encodes the DUOX1 activator or maturation factor DUOXA1. Rat studies identified a bidirectional promoter which controls the

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transcription of the DUOX1 and DUOX1A1 genes. This protein is cotransported to the cell surface when coexpressed with DUOX1 and is retained in the endoplasmic reticulum when expressed without DUOX1 protein. The expression of this gene or the DUOX1 gene is not suppressed by thyroglobulin (Tg), a macromolecular precursor in thyroid hormone synthesis, while the expression of the DUOX2 and DUOX2A2 are significantly suppressed by the Tg. This protein is also a p53-regulated neurogenic factor involved in p53 dependent neuronal differentiation. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2013],

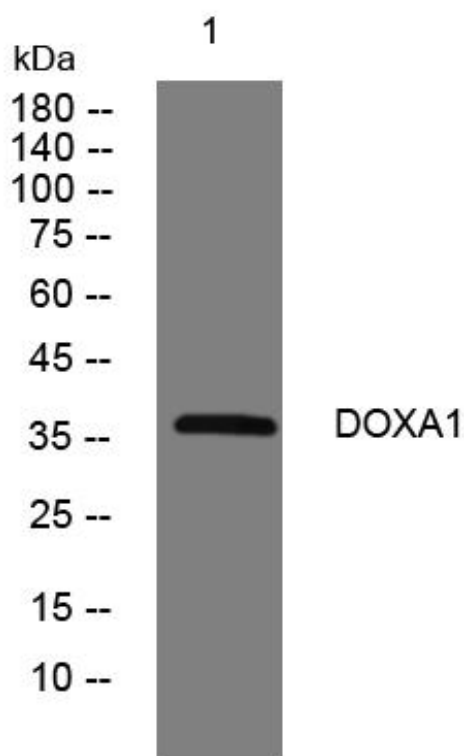
**matters needing attention**

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 DOXA1 mouse mAb