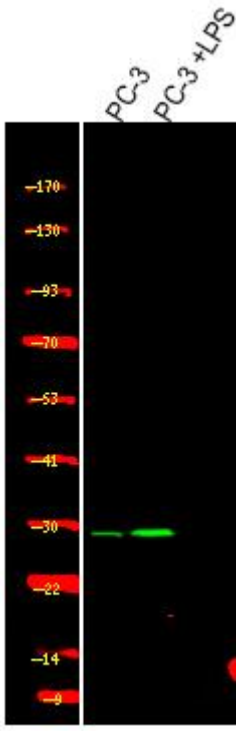
PDX1 (Phospho-Ser66) mouse mAb

Catalog No	BYmab-10528
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	PDX1 IPF1
Protein Name	PDX1 (Phospho-Ser66)
Immunogen	Synthesized peptide derived from human PDX1 (Phospho-Ser66)
Specificity	This antibody detects endogenous levels of PDX1 (Phospho-Ser66) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.184% 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	Pancreas/duodenum homeobox protein 1 (PDX-1) (Glucose-sensitive factor) (GSF) (Insulin promoter factor 1) (IPF-1) (Insulin upstream factor 1) (IUF-1) (Islet/duodenum homeobox-1) (IDX-1) (Somatostatin-transactivating factor 1) (STF-1)
Observed Band	
Cell Pathway	Nucleus. Cytoplasm, cytosol .
Tissue Specificity	Duodenum and pancreas (Langerhans islet beta cells and small subsets of endocrine non-beta-cells, at low levels in acinar cells).
Function	disease:Defects in PDX1 are a cause of pancreatic agenesis [MIM:260370]. This autosomal recessive disorder is characterized by absence or hypoplasia of pancreas, leading to early-onset insulin-dependent diabetes mellitus. This was found in a frameshift mutation that produces a truncated protein and results in a second initiation that produces a second protein that act as a dominant negative mutant.,disease:Defects in PDX1 are the cause of maturity onset diabetes noninsulin-dependent diabetes mellitus (NIDDM) [MIM:125853]; also known as diabetes mellitus type II.,disease:Defects in PDX1 are the cause of maturity onset

	diabetes of the young type 4 (MODY4) [MIM:606392]; also symbolized MODY-4. MODY [MIM:606391] is a form of diabetes mellitus characterized by an autosomal dominant mode of inheritance, age of onset of 25 years or younger and a primary defect in insulin secretion.,domain:The A
Background	The protein encoded by this gene is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. The encoded nuclear protein is involved in the early development of the pancreas and plays a major role in glucose-dependent regulation of insulin gene expression. Defects in this gene are a cause of pancreatic agenesis, which can lead to early-onset insulin-dependent diabetes mellitus (NIDDM), as well as maturity onset diabetes of the young type 4 (MODY4). [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 PDX1 (Phospho-Ser66) mouse mAb