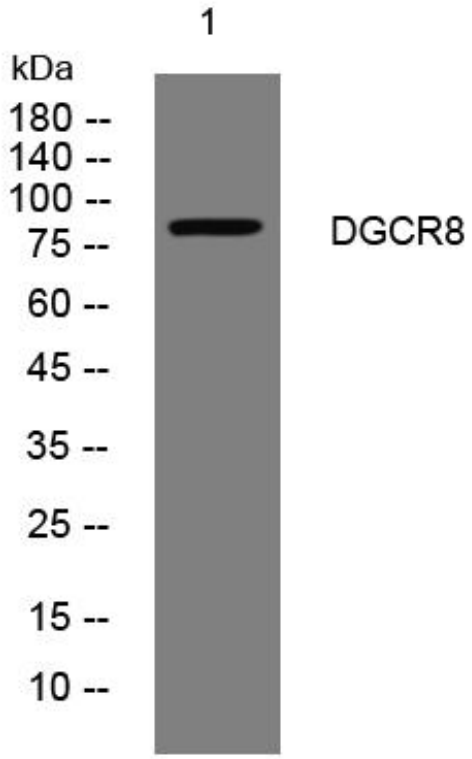
DGCR8 mouse mAb

Catalog No	BYmab-08233
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	DGCR8 C22orf12 DGCRK6 LP4941
Protein Name	DGCR8
Immunogen	Synthesized peptide derived from human DGCR8 AA range: 467-517
Specificity	This antibody detects endogenous levels of DGCR8 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.348% 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	Microprocessor complex subunit DGCR8 (DiGeorge syndrome critical region 8)
Observed Band	85kD
Cell Pathway	Nucleus . Nucleus, nucleolus . Colocalizes with nucleolin and DROSHA in the nucleolus. Mostly detected in the nucleolus as electron-dense granular patches around the fibrillar center (FC) and granular component (GC). Also detected in the nucleoplasm as small foci adjacent to splicing speckles near the chromatin structure. Localized with DROSHA in GW bodies (GWBs), also known as P-bodies (PubMed:17159994).
Tissue Specificity	Ubiquitously expressed.
Function	disease:May play a part in the etiology of the velocardiofacial/DiGeorge syndrome (VCFS/DGS), a developmental disorder characterized by structural and functional palate anomalies, conotruncal cardiac malformations, immunodeficiency, hypocalcemia, and typical facial anomalies. Most cases result from a deletion of chromosome 22q11.2 (the DiGeorge syndrome chromosome region, or DGCR).,similarity:Contains 1 WW domain.,similarity:Contains 2 DRBM (double-stranded RNA-binding) domains.,tissue specificity:Ubiquitously expressed.,

Background	This gene encodes a subunit of the microprocessor complex which mediates the biogenesis of microRNAs from the primary microRNA transcript. The encoded protein is a double-stranded RNA binding protein that functions as the non-catalytic subunit of the microprocessor complex. This protein is required for binding the double-stranded RNA substrate and facilitates cleavage of the RNA by the ribonuclease III protein, Drosha. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010],
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 DGCR8 mouse mAb