



ZN423 mouse mAb

Catalog No	YP-mAb-11609
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ZN423 KIAA0760 NPHP14 OAZ
Immunogen	Synthesized peptide derived from human ZN423 AA range: 848-898
Specificity	This antibody detects endogenous levels of ZN423 at Human/Mouse/Rat
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 serum by affinity-chromatography using specific immunogen.
Dilution	WB 1 :500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Calculated Molecular Weight	141kD
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in brain, lung, skeletal muscle, heart, pancreas and kidney but not liver or placenta. Also expressed in aorta, ovary, pituitary, small intestine, fetal brain, fetal kidney and, within the adult brain, in the substantia nigra, medulla, amygdala, thalamus and cerebellum.
Function	domain:Uses different DNA- and protein-binding zinc fingers to regulate the distinct BMP-Smad and Olf signaling pathways. C2H2-type zinc fingers 14-19 mediate the interaction with SMAD1 and SMAD4, while zinc fingers 28-30 mediate the interaction with EBF1. zinc fingers 2-8 bind the 5'-CCGCCC-3' DNA sequence in concert with EBF1, while zinc fingers 9-13 bind BMP target gene promoters in concert with SMADs.,function:Transcription factor that can both act as an activator or a repressor depending on the context. Plays a central role in BMP signaling and olfactory neurogenesis. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved in terminal olfactory receptor neurons differentiation; this interaction preventing EBF1 to bind DNA and activate olfactory-



Background

The protein encoded by this gene is a nuclear protein that belongs to the family of Kruppel-like C2H2 zinc finger proteins. It functions as a DNA-binding transcription factor by using distinct zinc fingers in different signaling pathways. Thus, it is thought that this gene may have multiple roles in signal transduction during development. Mutations in this gene are associated with nephronophthisis-14 and Joubert syndrome-19. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2012],

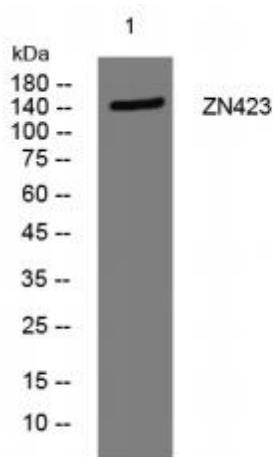
matters needing attention

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 lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night