

INF2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17660c

Product Information

Application	WB, E
Primary Accession	Q27J81
Other Accession	NP_001026884.3
Reactivity	Human, Mouse
Predicted	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36927
Calculated MW	135624
Antigen Region	589-616

Additional Information

Gene ID	64423
Other Names	Inverted formin-2, HBEBP2-binding protein C, INF2, C14orf151, C14orf173
Target/Specificity	This INF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 589-616 amino acids from the Central region of human INF2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	INF2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	INF2
Synonyms	C14orf151, C14orf173
Function	Severs actin filaments and accelerates their polymerization and

depolymerization.

Cellular Location

Cytoplasm, perinuclear region

Tissue Location

Widely expressed. In the kidney, expression is apparent in podocytes and some tubule cells

Background

This gene represents a member of the formin family of proteins. It is considered a diaphanous formin due to the presence of a diaphanous inhibitory domain located at the N-terminus of the encoded protein. Studies of a similar mouse protein indicate that the protein encoded by this locus may function in polymerization and depolymerization of actin filaments. Mutations at this locus have been associated with focal segmental glomerulosclerosis 5.

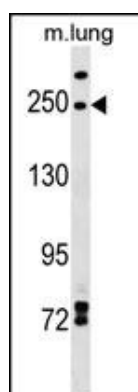
References

Brown, E.J., et al. Nat. Genet. 42(1):72-76(2010)

Chhabra, E.S., et al. J. Biol. Chem. 281(36):26754-26767(2006)

Bindschadler, M., et al. Proc. Natl. Acad. Sci. U.S.A. 101(41):14685-14686(2004)

Images



INF2 Antibody (Center) (Cat. #AP17660c) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the INF2 antibody detected the INF2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.