Nrf2 Polyclonal Antibody

E20-53486

Catalog Number:E20-53486

Product name: Nrf2 Polyclonal Antibody

Amount:100ul

Applications:IHC-p,WB,IF,ELISA

Reactivity:Human,Mouse

Gene Name:ZNRF2

Protein Name:E3 ubiquitin-protein ligase ZNRF2

Human Gene Id:223082

Human Swiss Prot No:Q8NHG8

Mouse Gene Id:387524

Mouse Swiss Prot No:Q71FD5

Immunogen: The antiserum was produced against synthesized peptide derived from human ZNRF2. AA range:161-210

Specificity:ZNRF2 Polyclonal Antibody detects endogenous levels of ZNRF2 protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Rabbit

Dilution: Immunohistochemistry: 1/100 - 1/300. WB: 1/500-1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration:1 mg/ml

Storage Stability:-20° C/1 year

Other Names:ZNRF2; RNF202; E3 ubiquitin-protein ligase ZNRF2; Protein Ells2; RING finger protein 202; Zinc/RING finger protein 2

Molecular Weight(Da):24115

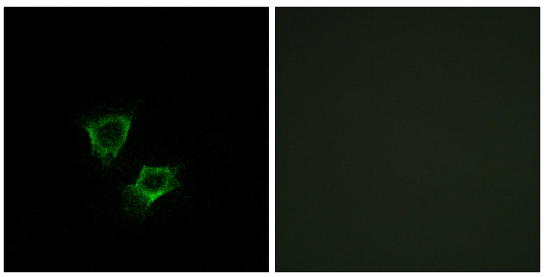
Background:domain:The RING-type zinc finger domain is required for E3 ligase activity.,function:May

play a role in the establisment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Contains 1 RING-type zinc finger.,subcellular location:Present in presynaptic plasma membranes in neurons., subunit:Interacts with UBE2N.,tissue specificity:Highly expressed in the brain, with higher expression during development than in adult. Expressed also in mammary glands, testis, colon and kidney.

Function:domain:The RING-type zinc finger domain is required for E3 ligase activity.,function:May play a role in the establisment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Contains 1 RING-type zinc finger.,subcellular location:Present in presynaptic plasma membranes in neurons., subunit:Interacts with UBE2N.,tissue specificity:Highly expressed in the brain, with higher expression during development than in adult. Expressed also in mammary glands, testis, colon and kidney.

Subcellular Location:cytoplasm, lysosomal membrane,cytosol,plasma membrane, endosome membrane, cell junction,cytoplasmic vesicle membrane,presynaptic membrane,protein complex.

Expression: Epithelium,Ovary.



Immunofluorescence analysis of A549 cells, using ZNRF2 Antibody. The picture on the right is blocked with the synthesized peptide.