UC Davis/NIH NeuroMab Facility
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Anti-MFF (exon 1), NeuroMab clone N382/69

Available as TC supe (RRID: AB_2315892)

Immunogen:

Fusion protein amino acids 1-173 (MSKRTSSDTPLGRVSGAAFPSPTASEMAEISRIQYEMEYTEGIS QRMRVPEKLKVAPPNADLEQGFQEGVPNASVIMQVPERIVVAGNNEDVSFSRPADLDLIQS TPFKPLALKTPPRVLTLSERPLDFLDLERPPVTPQNEEIRAVGRLKRERSMSENAVRQNGQL VRNDSV, cytoplasmic N-terminal exons 1, 2, 3 and 4) and 272-322 (YGISNIEATIEGTSDDM TVVDAASLRRQIIKLNRRLQLLEEENKERAKREM, cytoplasmic N-terminal exons 8 and most of 9) of mostly human MFF (also known as Mitochondrial fission factor, C2orf33, AD030, AD033 and GL004, accession number Q9GZY8)

Human: 96% identity (167/173 amino acids identical) and 94% identity (48/51 amino acids identical)
Rat: 95% identity (141/147 amino acids identical) and 92% identity (47/51 amino acids identical)
Mouse: 93% identity (138/147 amino acids identical) and 84% identity (43/51 amino acids identical)

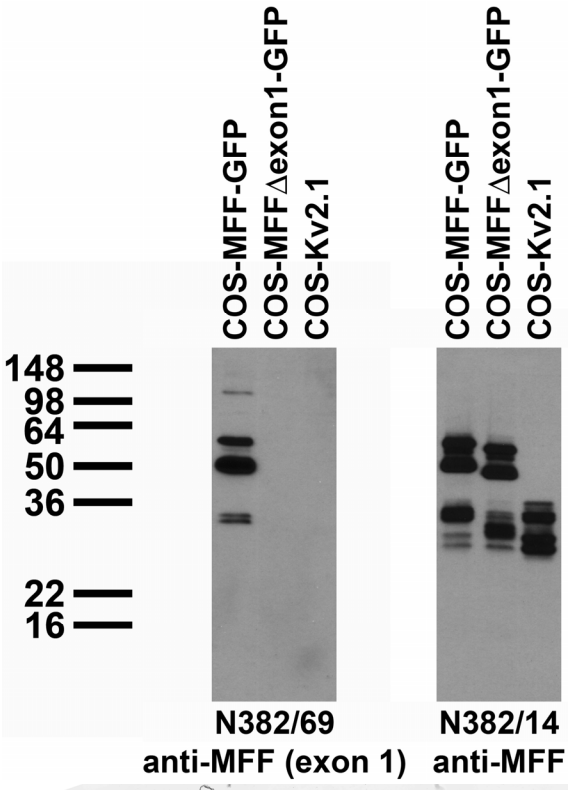
Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG1

NeuroMab Applications:
Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Does not react with MFF isoforms that do not contain exon 1

MW: 40 kDa



Immunoblot against crude extracts of COS cells transiently transfected with GFP-tagged MFF, MFFΔexon1 or untagged Kv2.1 plasmid probed with N382/69 (left) or N382/14 TC supe (right).

Adult rat brain immunohistochemistry