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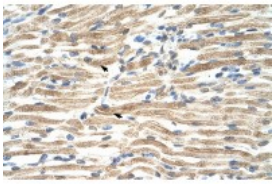
YAF2 Antibody

CATALOG NUMBER: 27-352

Antibody used in WB on Human Jurkat 1.25 ug/ml.



Antibody used in IHC on Human Muscle.

Specifications

SPECIES REACTIVITY:	Dog, Human
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	YAF2 antibody can be used for detection of YAF2 by ELISA at 1:62500. YAF2 antibody can be used for detection of YAF2 by western blot at 1.25 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1205 - Jurkat Cell Lysate
PREDICTED MOLECULAR WEIGHT:	20 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human YAF2.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by protein A chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4˚C. For longer periods of storage, store YAF2 antibody at -20˚C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	YAF2, MGC41856,
ACCESSION NO.:	NP_005739
PROTEIN GI NO.:	60218897

OFFICIAL SYMBOL:	YAF2
GENE ID:	10138

Background

BACKGROUND:	YAF2 interacts with YY1, a zinc finger protein involved in negative regulation of muscle-restricted genes. YAF2 contains a single N-terminal C2-X10-C2 zinc finger, and in contrast to YY1, is up-regulated during myogenic differentiation. It also facilitates proteolytic cleavage of YY1 by the calcium- activated protease, m-calpain, suggesting a mechanism by which this protein antagonizes the negative effect of YY1.The protein encoded by this gene interacts with YY1, a zinc finger protein involved in negative regulation of muscle-restricted genes. This gene product itself contains a single N-terminal C2-X10-C2 zinc finger, and in contrast to YY1, is up-regulated during myogenic differentiation. It also facilitates proteolytic cleavage of YY1 by the calcium- activated protease, m-calpain, suggesting a mechanism by which this protein antagonizes the negative effect of YY1. Multiple transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only two have been confirmed to date.
REFERENCES:	1) Madge, B., (2003) Cancer Lett. 193 (2), 171-176.

FOR RESEARCH USE ONLY

December 12, 2016