Rabbit POSTN / Periostin Polyclonal Antibody | anti-POSTN antibody

Rabbit Polyclonal to Mouse POSTN / Periostin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52430	**Rabbit**	**Chicken, Human, Mouse, Rat**	**Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

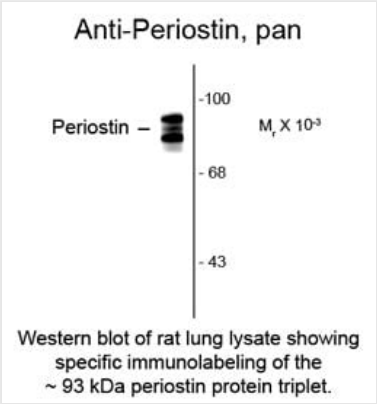
POSTN / Periostin; Polyclonal Antibody; Rabbit Polyclonal to Mouse POSTN / Periostin; Anti-POSTN / Periostin Antibody IHC-plus; POSTN; OSF2; PDLPOSTN; Periostin isoform thy6; Periostin isoform thy8; RP11-412K4.1; OSF-2; Osteoblast-specific factor 2; Periostin; Periostin isoform thy2; Periostin isoform thy4; PN; Mouse POSTN; anti-POSTN antibody

PRODUCT SPECIFICATIONS

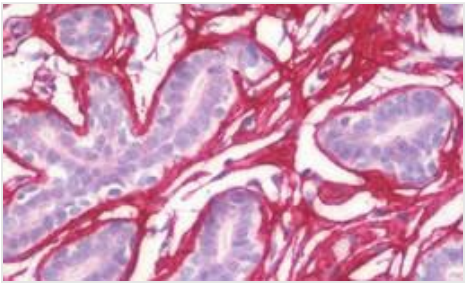
Host	Rabbit
Reactivity	Chicken, Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Based on the homology of the immunogen with other species, we expect that this antibody will recognize periostin in most, if not all, species of mammals, birds, amphibians, and fishes. Specific for three periostin bands around ~93 kDa in mouse lung extract. The immunogenic peptide is present in all known splice variants of periostin and therefore this antibody recognizes all known molecular forms of periostin.
Purity/Purification	Affinity Purified
Form/Format	PBS. Contains no preservative.
Sequence Length	836
Applicable Applications for anti-POSTN antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	POSTN/Periostin
Immunogen Description	Antibody was raised against peptide from fasciclin domain 1 of mouse periostin
Immunogen Species	Antibody was raised against Mouse
Usage	In addition to western blot, the antibody also works well for immunohistochemistry on paraformaldehyde-fixed sections with a simple antigen-retrieval protocol (incubate slides for 20 minutes at 90°C in 10 mM sodium citrate (pH 6.0)/ 0.1 % Tween-20).
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at short term: -20°C; Long term: -80°C. Aliquot to avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)



IHC (Immunohistochemistry)
Human Breast: Formalin-Fixed, Paraffin-Embedded (FFPE

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862907
NCBI GeneID	10631
NCBI Accession #	NP_006466.2
NCBI GenBank Nucleotide #	NM_006475.2
UniProt Accession #	Q15063; Q15064; Q29XZ0; Q3KPJ5; Q5VSY5; Q8IZF9; B1ALD8; C0IMJ1; C0IMJ2; C0IMJ4; D2KRH7; F5H628
NCBI Official Full Name	periostin isoform 1
NCBI Official Synonym Full Names	periostin, osteoblast specific factor
NCBI Official Symbol	POSTN
NCBI Official Synonym Symbols	PN; OSF2; OSF-2; PDLPOSTN; periostin
NCBI Protein Information	periostin; periodontal ligament-specific periostin; osteoblast specific factor 2 (fasciclin I-like)
UniProt Protein Name	Periostin
UniProt Gene Name	**POSTN**
UniProt Synonym Gene Names	OSF2; PN; OSF-2
UniProt Entry Name	POSTN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/postn-periostin-antibody-western-blot-immunohistochemistry-elisa/52430