

## Mouse ANKRD53 Monoclonal Antibody | anti-ANKRD53 antibody

ANKRD53 antibody

| CATALOG # | HOST  | APPLICATIONS                                                                             |
|-----------|-------|------------------------------------------------------------------------------------------|
| AAA106321 | Mouse | Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay |

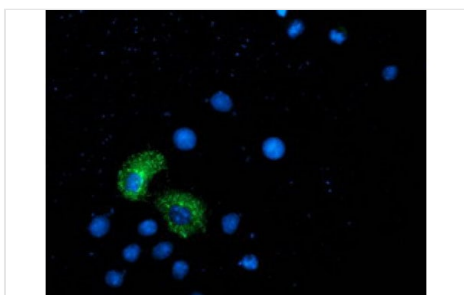
### PRODUCT SYNONYMS

ANKRD53; Monoclonal Antibody; ANKRD53 antibody; Monoclonal ANKRD53; Anti-ANKRD53; Ankyrin repeat domain 53; FLJ12056; OTTHUMP00000203459; Ankyrin repeat domain-containing protein 53; ANKRD 53; ANKRD-53; anti-ANKRD53 antibody

### PRODUCT SPECIFICATIONS

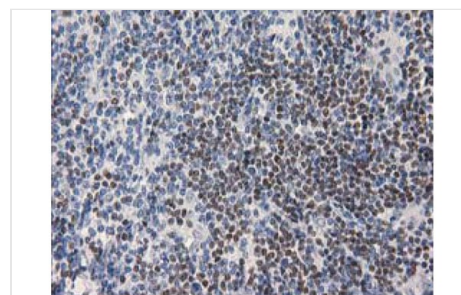
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                           | IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clone Number                                      | 1 E1                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                               | ANKRD53 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                       | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                     | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                   | 343                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-ANKRD53 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                   |
| Biological Significance                           | Ankyrins are a family of adaptor proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane skeleton. Ankyrins have binding sites for the beta subunit of spectrin and at least 12 families of integral membrane proteins. This linkage is required to maintain the integrity of the plasma membranes and to anchor specific ion channels, ion exchangers and ion transporters in the plasma membrane. |
| Cross-Reactivity                                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                         | ANKRD53 antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 1-300 of human ANKRD53 (NP_079209) produced in E Coli as the immunogen.                                                                                                                                                                                                                                                                |
| Preparation and Storage                           | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                             |

### IMAGES



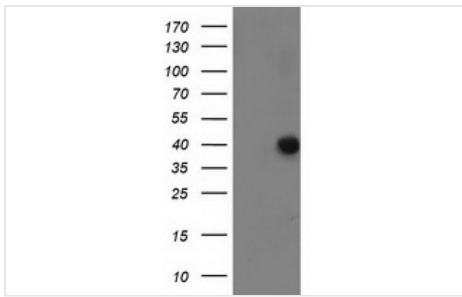
#### IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant ANKRD53 protein using ANKRD53 antibody



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of ANKRD53 protein in paraffin embedded Human lymphoma tissue using ANKRD53 antibody



#### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ANKRD53 protein (Right) or empty vector (Left) detected with ANKRD53 antibody

## ADDITIONAL INFORMATION

|                                                       |                                   |
|-------------------------------------------------------|-----------------------------------|
| Related Product Information for anti-ANKRD53 antibody | Mouse monoclonal ANKRD53 antibody |
| Product Categories/Family for anti-ANKRD53 antibody   | <a href="#">Cell Biology</a>      |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 169403957                                             |
| NCBI GeneID                      | 79998                                                 |
| NCBI Accession #                 | <a href="#">NP_079209</a>                             |
| NCBI GenBank Nucleotide #        | <a href="#">NM_024933.3</a>                           |
| UniProt Accession #              | <a href="#">Q8N9V6</a> ; <a href="#">Q8IYP8</a>       |
| Molecular Weight                 | 38,200 Da                                             |
| NCBI Official Full Name          | ankyrin repeat domain-containing protein 53 isoform b |
| NCBI Official Synonym Full Names | ankyrin repeat domain 53                              |
| NCBI Official Symbol             | ANKRD53                                               |
| NCBI Protein Information         | ankyrin repeat domain-containing protein 53           |
| UniProt Protein Name             | Ankyrin repeat domain-containing protein 53           |
| UniProt Gene Name                | <b>ANKRD53</b>                                        |
| UniProt Entry Name               | ANR53_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/monoclonal/ankrd53-antibody-clone-1-e1-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106321>