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Datasheet for ABIN1504147  
**anti-ANKRD2 antibody**

2 Images

Overview

Quantity:	0.1 mg
Target:	ANKRD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Clone:	YAS11
Isotype:	IgG2b
Specificity:	This antibody reacts with ARPP (43 kDa).
Cross-Reactivity (Details):	Species reactivity (tested):Human (TE-1). Does not react with Mouse (NIH/3T3).
Purification:	Protein A agarose

Target Details

Target:	ANKRD2
Alternative Name:	ANKRD2 ( <a href="#">ANKRD2 Products</a> )
Background:	Ankyrin-repeat protein with a PEST motif and a proline-rich region (ARPP), also designated as Ankrd2, which isolated from a cDNA library of human esophageal carcinoma cell line (TE-1) is composed of 333 amino acids and contains four ankyrin-like repeat motifs in its middle portion,

## Target Details

a PEST-like sequence and a lysine-rich sequence in the N-terminal region, and a proline-rich region in the C-terminal region. ARPP is homologous to CARP, cardiac ankyrin repeat protein (52 % identical), which is a nuclear protein and is involved in the regulation of the transcription of MLC-2s in cardiomyogenesis. In the immunohistochemical analysis of paraffin embedded sections, ARPP is found to express at a high level in almost all rhabdomyosarcomas. On the other hand in normal tissues, ARPP preferentially expresses in skeletal and cardiac muscle. Furthermore ARPP expresses in part of the distal tubule of the kidney and also expresses specifically in renal oncocytoma but barely detectable in conventional renal cell carcinoma. ARPP may have potential use as a marker for distinguishing renal oncocytoma from other renal cell carcinomas. Synonyms: ARPP, Ankyrin repeat domain-containing protein 2, Skeletal muscle ankyrin repeat protein

Gene ID: 26287

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

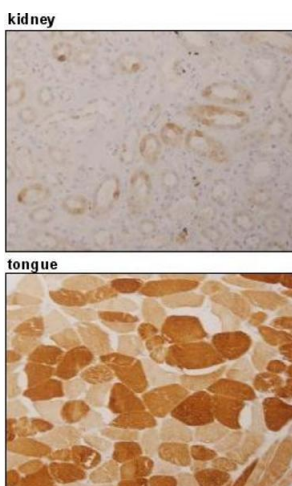
## Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 50 % glycerol, pH 7.2. No preservative is contained.

Preservative: Without preservative

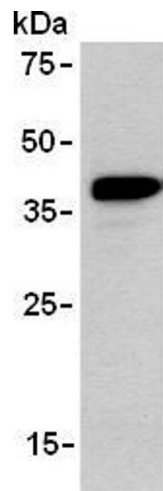
## Images



### Immunohistochemistry (Paraffin-embedded Sections)

#### Image 1.

Immunohistochemical detection of ARPP on paraffin embedded section of human kidney and tongue with AM26555AF-N. These sections were kindly provided by Dr. Shomori M.D. Ph.D. (Faculty of Medicine, Division of Organ Pathology, Department of Microbiology and Pathology, Tottori University, Yonago)



### Western Blotting

#### Image 2.

Western blot analysis of ARPP expression in TE-1 using AM26555AF-N.