



AMBRA1 Antibody

#24149

Catalog Number: 24149-1, 24149-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q9C0C7

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized peptide derived from Human AMBRA1

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: AMBRA1 antibody detects endogenous levels of total AMBRA1 protein

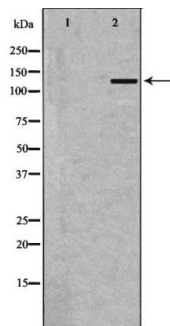
Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 133kd

WB: 1:500~1:2000

IHC: 1:50-200



Western blot analysis of MCF7 cell and HepG2 cell lysate using AMBRA1 antibody.

Background :

WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. AMBRA1 (Activating molecule in BECN1-regulated autophagy protein 1), also known as WDR94 or KIAA1736, is a 1,298 amino acid protein that contains three WD repeats. Localized to cytoplasmic vesicles, AMBRA1 functions to control protein turnover, cell proliferation and cell survival during neuronal development, thereby playing an important role in autophagy and the development of the nervous system. Multiple isoforms of AMBRA1 exist due to alternative splicing events.