ImmunoBioScience Corp. (IBSC) *DATA SHEET*Ubiquitin, Polyclonal rabbit-anti-human

**Catalog number:** RP-4011-01 0.5 ml Concentrated IgG 3 mg/ml

RP-4011-02 1.0 ml Concentrated IgG 3mg/ml

RP-4011-04 7.0 ml Prediluted for IHC IgG 8µg/ml

**Buffer** Total IgG purified by Protein A columns is supplied with 1% BSA in PBS with 0.05% azide, pH 7.4. The Prediluted antibody is supplied in our Universal antibody dilution buffer (AR-6526) green in color.

**Description**: Ubiquitin is a 76 amino acids 8.5 kDa, a highly conserved small regulatory protein that is ubiquitously expressed in eukaryotes and plays a central role in protein degradation. The Ubiquitin/proteosome pathways are main, non-lysomal route for intracellular protein degradation. The protein to be degraded is conjugated to Ubiquitin; it is selectively degraded by 26S complex multicatalytic cytosolic and nuclear protease termed proteosome. This protein also plays important role in cellular processes e.g. Cell cycle progression, gene transcription, antigen processing and signal transduction. In Immunohistochemistry (IHC) this antibody can detect abnormal inclusion bodies, in neurofibrillary tangles in Alzheimer’s disease, lewy bodies in Parkinson’s disease, pick bodies in Pick’s disease, inclusions in motor neuron disease, Mallory’s Haylin in alcoholic liver disease and Rosenthal fibers in astrocytes. **This antibody stains senile plaques and neurons.**

**Intended Use**: Immunohistochemistry (IHC) and Immunocytchemistry (ICC)

**Storage**: 2-8°C

**Epitope:** not determined.

**Molecular weight of antigen:**8.5 kDa

**Immunogen:** .Purified human Ubiquitin.

**Species reactivity:** Human, bovine, equine, rat mouse, others not tested.

**Cellular Localization:** Nuclear, Cytoplasmic, and cell membrane.

**Recommended positive control:** Human brain from Alzheimer’s disease.

**Application:** IHC, ICC (frozen or formalin–fixed paraffin-embedded (FFPE) tissue sections, cell smears) 1:50-1:100 using streptavidin-Biotin system or polymer system. Prediluted antibody is used directly without dilution. FFPE tissue sections require antigen retriever, boiling tissue for 15-20 minutes in 10 mM citrate, pH 6.0, followed by cooling at RT for 15-20 minutes. The optimum dilution should be determined by the individual lab.

**General References**

1. Lowe, J et. al. Neuropathol. Genet. Dimentia. Ed. M Tolnay and A. Probst, plenium publisher, pp 169-186, 2001
2. Canu, N et. al. J Neurosci. 20: 589-599, 2000

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact by all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

---------------------------------------------------------------------------------------------------------------------------------

**For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY**

**“*In vitro* laboratory products for research”**

Phone: + 1 425 367 4601, Fax: + 1 425 367 4817; cell (mobile) phone: + 1 425 314 0199

Marketing phone: + 1 650 343 IBSC (4272); e-mail:anitaIBSC@aol.com

Web site: [www.immunobioscience.com](http://www.immunobiosci.com); E-mail: [baderbo@gmail.com](mailto:baderbo@gmail.com)

PRODUCT OF USA