

**AAA288Hu01****Anti-Double Stranded DNA Antibody (Anti-dsDNA)****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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9th Edition (Revised in Jul, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** The details are not available**Clonality:** Polyclonal**Host:** Rabbit**Immunoglobulin Type:** IgG**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 200µg/mL**UOM:** 100µg

## **[ RELEVANCE ]**

dsDNA (double stranded deoxyribonucleic acid) is a molecule that encodes the genetic instructions used in the development and functioning of all known living organisms and many viruses. The monomer consists of phosphorylated 2-deoxyribose N-glycosidically linked to one of four bases, A,T,G,C. These are linked together by 3',5'-phosphodiester bridges. The two strands of DNA run in opposite directions to each other. Anti-dsDNA has been shown to be useful, in the detection of dsDNA in *fx. Crithidia luciliae* -a monoflagellate protozoan, containing a giant mitochondrion. The antibody can be used for easy quantification of in vitro cell proliferation by ELISA and has successfully been used for monitoring cytotoxicity and apoptosis.

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against dsDNA. It has been selected for its ability to recognize dsDNA in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

## **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.