

## BRAF (V600E)

IN VITRO DIAGNOSTIC DATASHEET

**INTENDED USE :** IN VITRO DIAGNOSTIC USE

This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.

**DESCRIPTION :**

The BRAF gene encodes a protein that is part of the RAS-RAFMEK-ERK signaling pathway, which regulates cell division and proliferation. The V600E mutation in the BRAF gene leads to the production of a constitutively active BRAF protein, resulting in uncontrolled cell growth and division. Identifying the presence of this mutation is crucial for diagnosing and guiding the treatment of certain cancers.

|                           |             |            |                       |
|---------------------------|-------------|------------|-----------------------|
| <b>CATALOG NO :</b>       | PL2035      | PL2035-R7  | 7 ML RTU 70 TEST      |
|                           |             | PL2035-R1  | 1 ML RTU 10 TEST      |
| <b>STAINING PATTERN :</b> | Cytoplasmic | PL2035-1   | 1 ML 1/100 1000 TEST  |
|                           |             | PL2035-0,1 | 0,1 ML 1/100 100 TEST |

**POSITIVE CONTROL :** melanoma with BRAF V600E mutation

**VOLUME :** 7 ml Ready to Use ( 7 ml of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide. )

**HOST :** Rabbit

**CLONE :** PL-20

**ANTIBODY CONCENTRATION :** Not known

**SPECIES REACTIVITY :** Human. Others not tested.

**MICROBIOLOGICAL STATE :** This product is not sterile.

**PRETREATMENT :** Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 min.

**PRIMARY ANTIBODY INCUBATION TIME :** 60 minutes at Room Temperature

**STAINING TIPS :** If the staining is too light, use lower dilution or longer time. If the staining is too strong, check pretreatment, use higher dilution or shorter time.

**STORAGE AND STABILITY :** This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

**TROUBLESHOOTING :** Please contact Patolab Technical Support by e-mail ( patolab@patolab.com.tr ).