

## ZytoDot® 2C SPEC NTRK3 Break Apart Probe (C-3079-100)

The **ZytoDot® 2C SPEC NTRK3 Break Apart Probe** is designed to detect translocations involving the chromosomal region 15q25.3 harboring the NTRK3 (neurotrophic receptor tyrosine kinase 3, a.k.a. TRKC) gene.

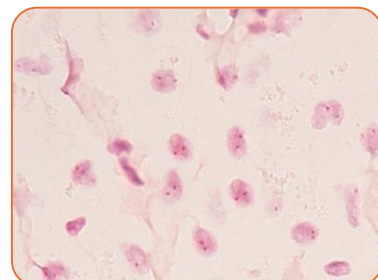
NTRK3 is a receptor tyrosine kinase (TK) for neurotrophin 3 (NT3) and plays a key role in central and peripheral nervous system development as well as in cell survival. Translocations affecting the NTRK3 gene have been reported in several cancer types, including glioblastomas, Philadelphia chromosome-like acute lymphoblastic leukemia, congenital fibrosarcomas, cellular mesoblastic nephromas, acute myeloid leukemia, radiation-associated thyroid cancer, secretory breast carcinoma, and mammary analog secretory carcinoma of the salivary gland.

The treatment of patients with NTRK1, 2, or 3 fusion-positive cancers with an NTRK inhibitor, such as the FDA-approved drugs larotrectinib or entrectinib, is associated with high response rates, regardless of NTRK gene, fusion partner, and tumor type. Hence, detection of NTRK3 translocations by CISH may be of diagnostic and therapeutic relevance.

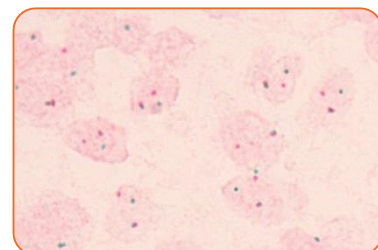
To receive more details of our **ZytoDot® 2C SPEC NTRK3 Break Apart Probe** please use the following link to download all available information:

<https://www.zytovision.com/products/zytodot2c/c-3079>

- Product Data Sheet
- Instruction for Use



*SPEC NTRK3 Break Apart Probe hybridized to normal interphase cells as indicated by two red/green fusion signals per nucleus.*



*Mesoblastic nephroma tissue section with rearrangement of the NTRK3 gene as indicated by one red/green fusion signal (non-rearranged), one red signal, and one separate green signal.*

Prod. No.	Product	Label	Tests* (Volume)
C-3079-100	ZytoDot 2C SPEC NTRK3 Break Apart Probe	DIG/DNP	10 (100 µl)
<b>Related Products</b>			
C-3044-10	ZytoDot 2C CISH Implementation Kit		10

\*Using 10 µl probe solution per test.

The probe is registered as CE IVD and available as 10 test volume.

Please do not hesitate to contact us if you have any questions or comments. We hope that this information is helpful for you.